VOIP Phone User Manual

V.10

2007/03/14

RELEASE NOTE:

Version	***Date***	***Author***	***Modified Contents***
2.0	Dec，2002		

Part III:

Web Configuration with VoIP Gateway Web

This part tells how to access and navigate the web configurator and perform initial configuration. It also describes the Getting Started web configuration when you use the VoIP Gateway.

Chapter 1. Web Configuration with VoIP Introduction

This Chapter describes how to login into the WEB and navigate through it.

1.1 Web Configuration with VoIP Overview

The embedded web configuration allows you to use a web browser to manage the VoIP Gateway.

1.2 Accessing the Web Configuration

You will need a computer with and Ethernet 10BaseT, 100Base-TX Network Interface Card (NIC). Connect to the LAN port in the FXS.

Use Internet Explorer 5.5 and later or Netscape Navigator 6 and later versions.

Use the following instructions to login on to the web configuration.

1.3 Login and welcome screen

Step 1. Start your web browser.

Step 2. Launch your web browser and enter [192.168.123.1:9999] (the default IP address of the VoIP Gateway) in the Location or Address field. Press Enter.

Step 3. The Password screen now appears. Type [root] in the user name field (it may display automatically for you) and your password (default [test]) in the password field.

Step 4. Click OK.



Figure 1-1 Login Screen

Step 5. After a successful login, you will see the welcome screen show next.

1.4 Sysconf Information

This is the web configuration Sysconfig Information screen. Click a link on the navigation panel to go to the corresponding screen.

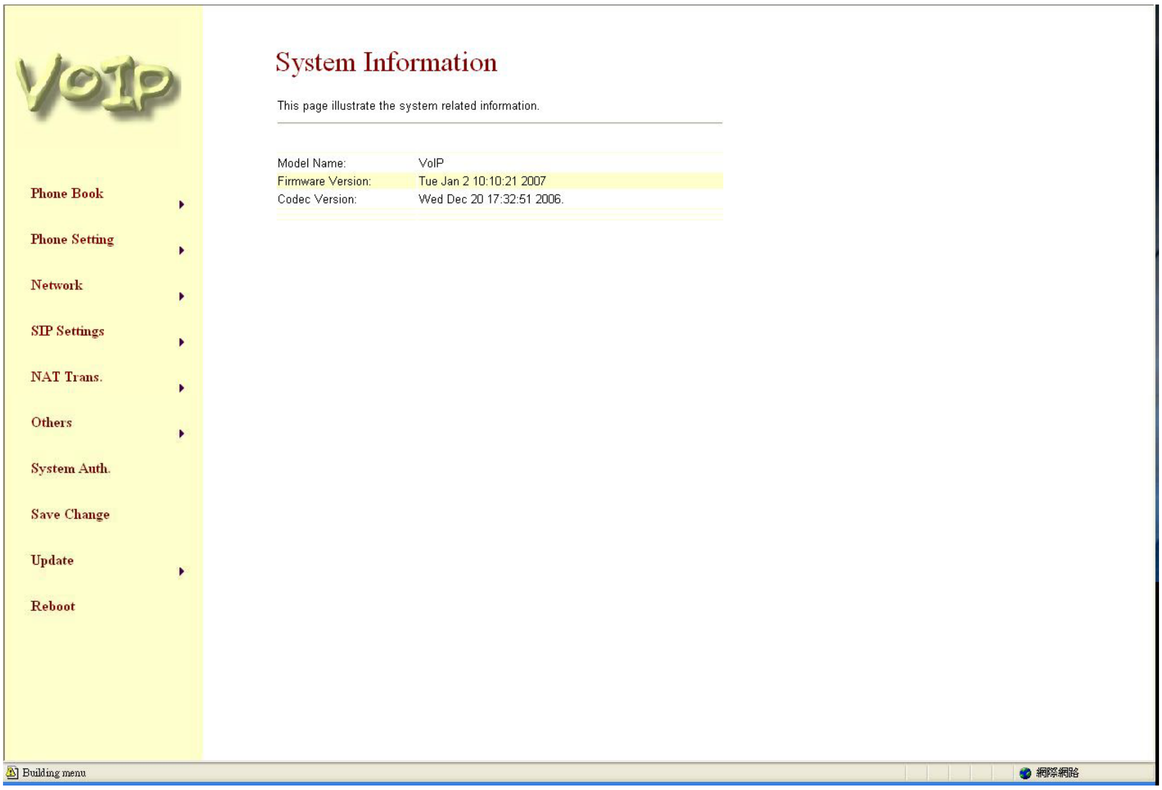


Figure 1-2 VoIP Gateway web configuration welcome screen

The following table describes the screen.

LABEL	DESCRIPTION
Phone Book	Phone Book item, provides Phone Book & Speed Dial(for Phone)
Phone Setting	Phone Setting item, provides Forward Setting, SNTP Setting Volume Setting, DND Setting, Caller ID Setting, Auto Dial Setting, Dial Plan, Flash Time Setting, Call Waiting Setting, Soft-Key Setting(for Phone) , Hotline Setting, Alarm Setting, T.38 Setting (for FXS)
Network Setting	Network Setting item, provides Network Status, WAN Setting, LAN Setting, DDNS Setting, VLAN Setting, DMZ Setting, Virtual Server, PPTP Setting.
SIP Setting	SIP Setting item, provide Service Domain, Port Settings, Code Settings, Codec ID Settings, DTMF Settings, RPort Settings, Other Settings
NAT Tran.	NAT Tran, provides STUN Settings.
System Auth	System Auth item, changes user’ s name or password.
Other Setting	Other Setting items provide Auto Config, FXS Port/FXO Port/FXS & FXO Port/Phone +FXO Port Setting, MAC Clone Setting, Tone Setting, Advanced Setting.
Save	Save the change.
Update	Update item, provides New Firmware, Auto Update, Default Setting
Reboot	Reboot, restarted the system.

1.5 Saving Your Configuration

Click OK to save your changes back to the VoIP Gateway volatile memory. The

VoIP Gateway loses these changes if it is turned off or loses power, so use the Commit Data link on the navigation panel to the left to save your changes to the non-volatile memory when your are done configuring.

1.6 Navigating the Web Configuration

The web configuration uses two level. For example, to configure [Phone Book -> Phone Book], click the link on the navigation panel to open the configuration screen.

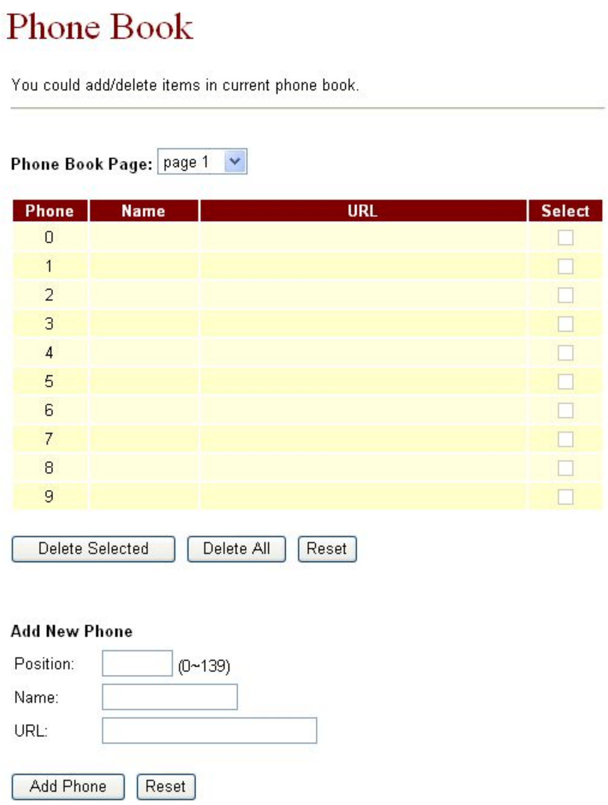


Figure 1-3 Phone Book Screen

Chapter 2. Instruction of the Web Environment
2.1 Pre-settings
2.1.1 Network settings
Network Mode: Default NAT Mode
WAN Port: DHCP Client Mode
LAN Port: DHCP Server, IP Address: 192.168.123.1

2.1.2 Web Page
VoIP Web Login page, http://192.168.123.1:9999

- Login Account:
  - Administrator's Right: Login Account: root, Password: test
  - Super use's Right: Login Account: system, Password: test
  - Normal Right: Login Account: user, Password: test

2.2 Login VoIP Web Page
2.2.1 Function
Provide login system management page.

2.2.2 Instruction

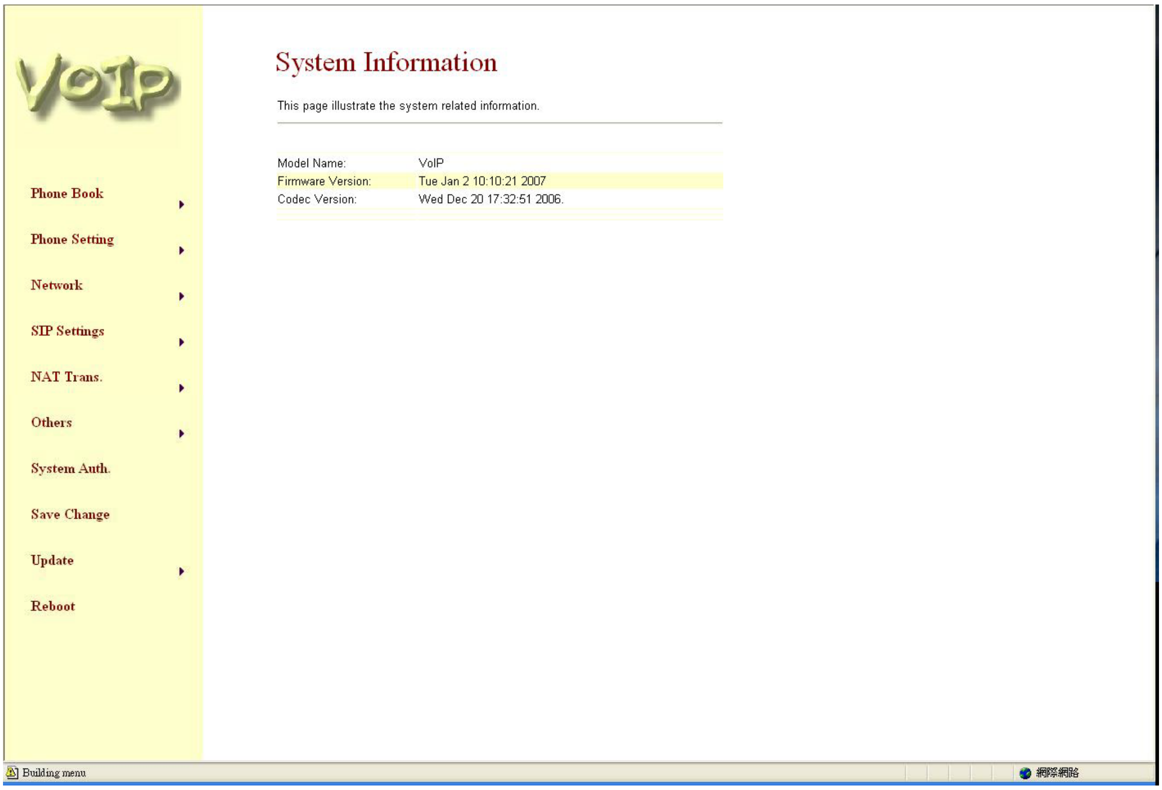

Username	Input user's name, can be numeral or letters.
Password	Input password, can be numeral or letters.
Login [Button]	Login the system
Clear [Button]	Clear all information.

2.2.3 Operate instruction
Step 1: Open IE, input [http://192.168.123.1:9999], then enter.
Step 2: Login [Login VoIP] page, please input [Username & Password (e.g. Username: root, Password: test)], then press [Login]. Make sure that the Password is OK (See Figure 1).



(Figure 1)

Step 3: After login the system, the System Information will be seen (See Figure 2).



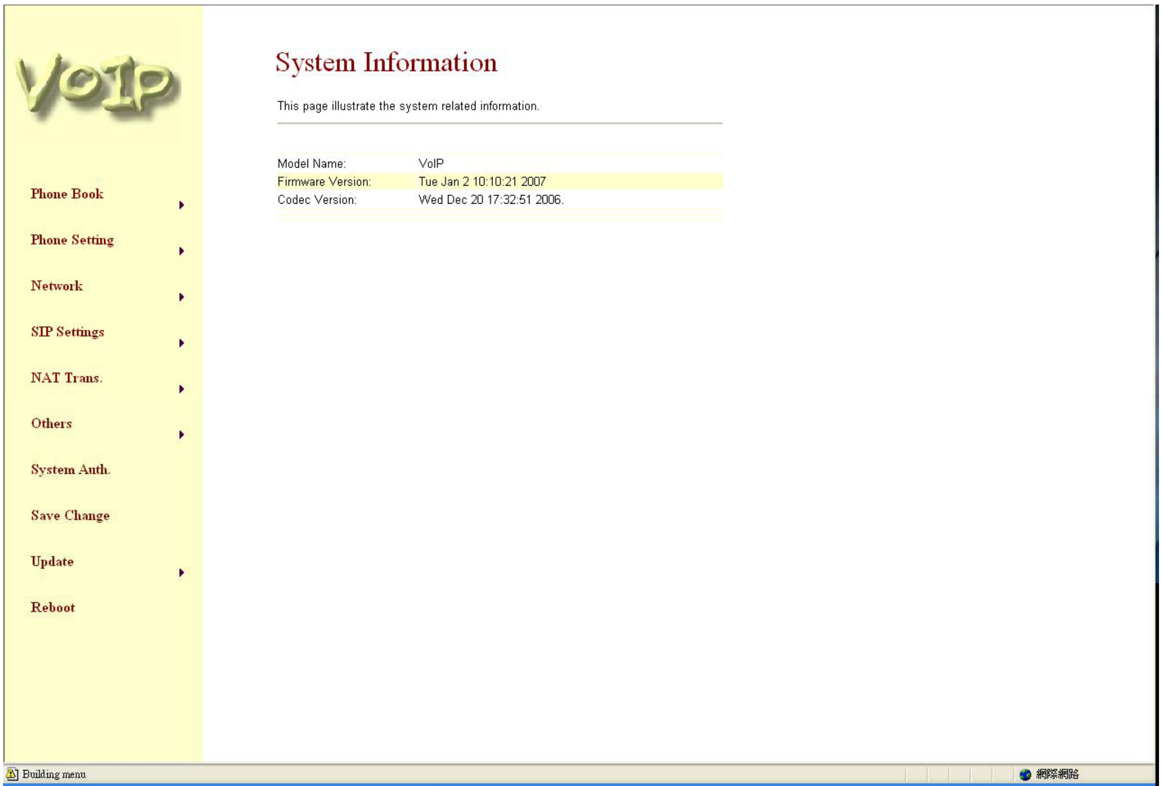
(Figure 2)

2.3 VoIP Setting Page

2.3.1 Function

Provide Phone Book, Phone Setting, Network Setting, SIP Setting, NAT, Other Settings, System Auth, Save, Reboot, Update, and Reboot.

2.3.2 Instruction



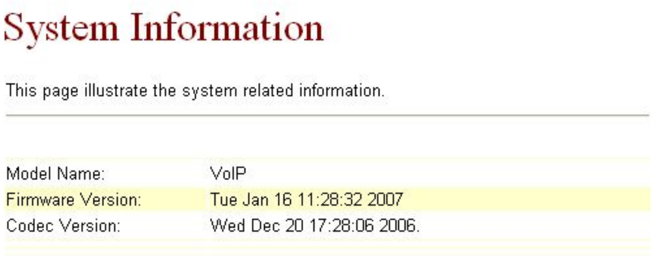
Phone Book	Phone Book item, provides Phone Book & Speed Dial(for Phone)
Phone Setting	Phone Setting item, provides Forward Setting, SNTP Setting Volume Setting, DND Setting, Caller ID Setting, Auto Dial Setting, Dial Plan, Flash Time Setting, Call Waiting Setting, Soft-Key Setting(for Phone) , Hotline Setting, Alarm Setting, T.38 Setting (for FXS)
Network Setting	Network Setting item, provides Network Status, WAN Setting, LAN Setting, DDNS Setting, VLAN Setting, DMZ Setting, Virtual Server, PPTP Setting.
SIP Setting	SIP Setting item, provide Service Domain, Port Settings, Code Settings, Codec ID Settings, DTMF Settings, RPort Settings, Other Settings
NAT Tran.	NAT Tran, provides STUN Settings.
System Auth	System Auth item, changes user' s name or password.
Other Setting	Other Setting items provide Auto Config, FXS Port/FXO Port/FXS & FXO Port/Phone +FXO Port Setting, MAC Clone Setting, Tone Setting, Advanced Setting.
Save	Save the change.
Update	Update item, provides New Firmware, Auto Update, Default Setting
Reboot	Reboot, restarted the system.

2.4 System Information

2.4.1 Function

View Model Name, Firmware Version, Codec Version etc.

2.4.2 Instruction



Model Name	Show the name of the equipment
Firmware Version	Show the Risc version information, e.g. Tue Jan 16 11:28:32 2007.
Codec Version	Show the DSP version information, e.g. Wed Dec 20 17:28:06 2006.

2.5 Save Change

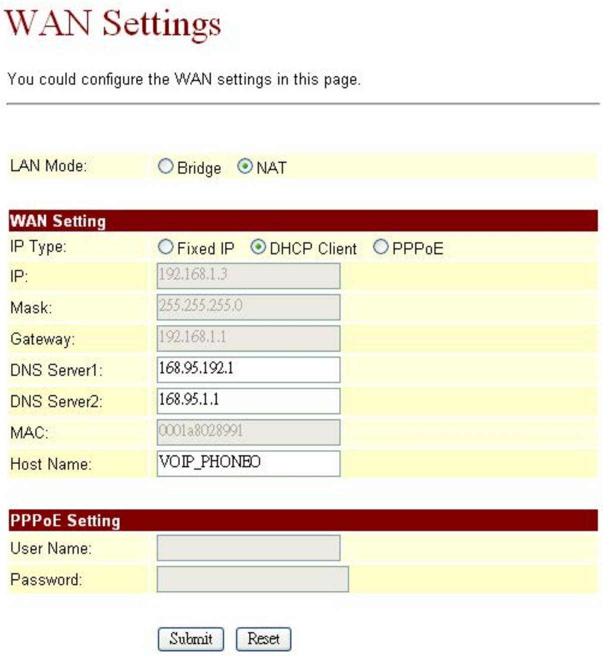
2.5.1 Function

When the web page information changes, please make sure you save the change by click the key [Submit]. After all the changes are done, the system should be restarted. [Save change]-- [Save Change Setting] -- [Save].

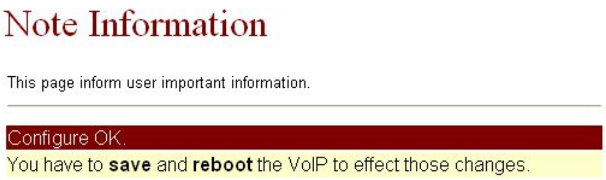
2.5.2 Operate Instruction

Step 1: On the main page, select [Networks→WAN Settings], enter [WAN Settings], after

changing the information, press [Submit]

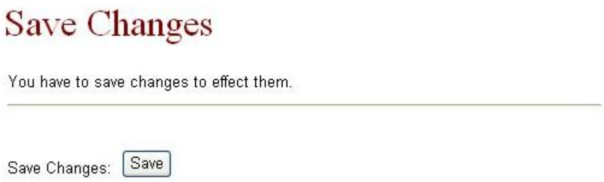


Step 2: After saving the changes, enter [Note Information] page, the “Note Information” will be seen, then the change came into effect (See Figure 2).



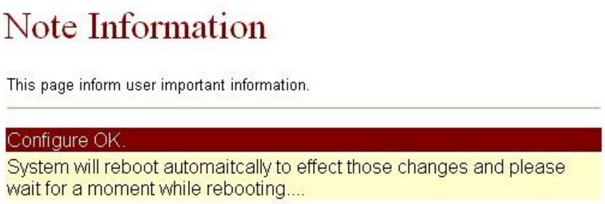
(Figure 2)

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, saving the changes by click [Save] (See Figure 3)



(Figure 3)

Step 4: Enter [Note Information] page, means saving successfully, and the system will be restarted, please wait for a second (See Figure 4).



(Figure 4)

Chapter 3. Phone Book

Provide Phone Book, Speed Dial function.

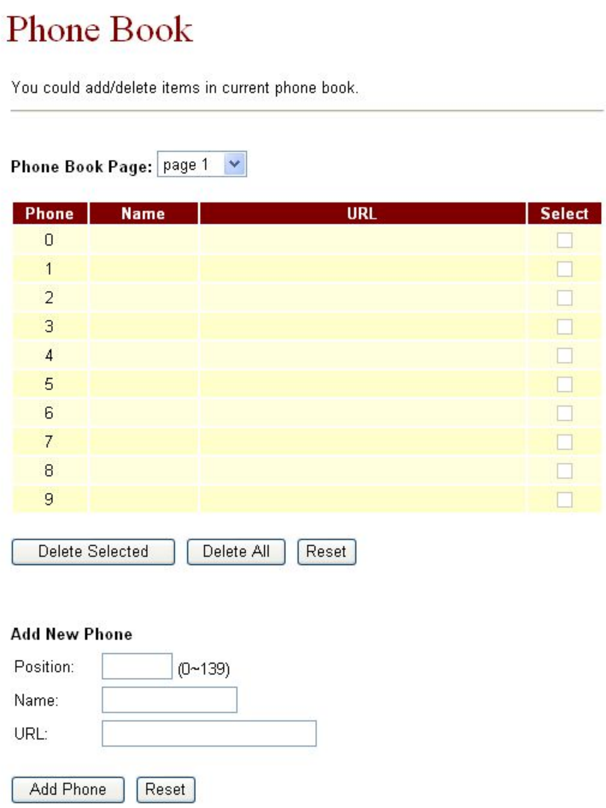
3.1 Phone Book

3.1.1 Function

Phone Book can provide 140 entries. When user A calls person B, if person B's name is in the phone book, then B's name will be shown on the phone. If not, B's phone number will be seen.

3.1.2 Instruction

Figure Phone Book

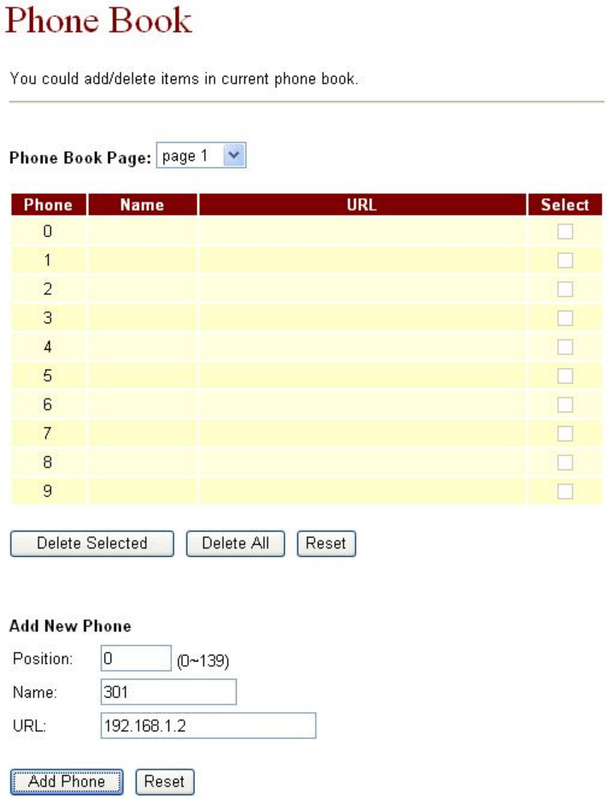


Please Book Page	Default: Page 1. Select the page, from Page1~Page14.
Phone	Show the serial number. 140 entries in total, from Phone 0~139
Name	Show the User's name.
URL	Show the URL information.
Select	Select this entry.
Delete Selected [Button]	Delete selected information.
Delete All [Button]	Delete all information.
Reset [Button]	Reset selected information.
Add New Phone	Add new phone book information.
Phone	Input serial number, from(0~139) . . Maximum length is 3 bytes.
Name	Input serial number, can be digits or names. Maximum length is 31 bytes. **Suggest pick up digits, which can be used as**

	speed dialing numbers.
URL	Input Line Number or IP information. Maximum length is 63 bytes.
Add Phone [Button]	Add this new entry.
Reset [Button]	Delete selected information.

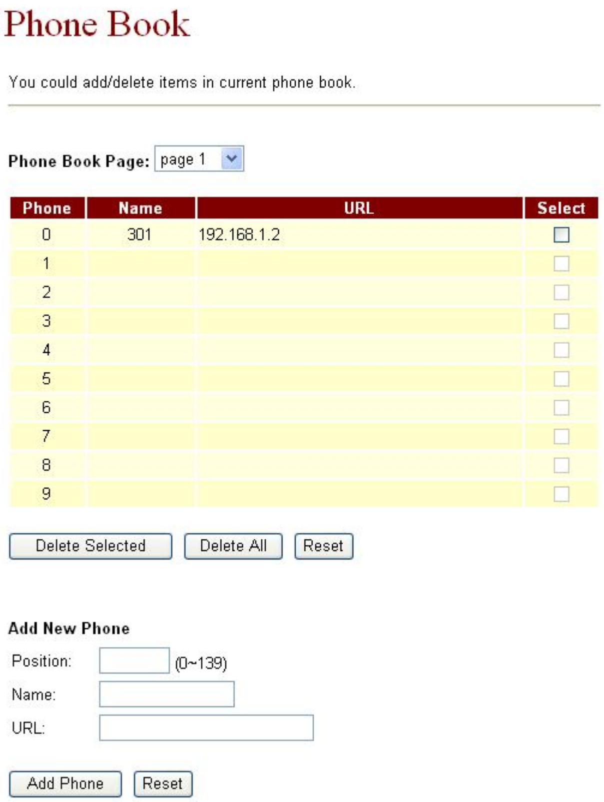
3.1.3 Operate Instruction

Step 1: On the main page, select [Phone Book→Phone Book], enter [Phone Book] page, revise the information (Phone: 0, Name: 301, URL: 301@192.168.1.2), then press the key [Add Phone] (See Figure 1).



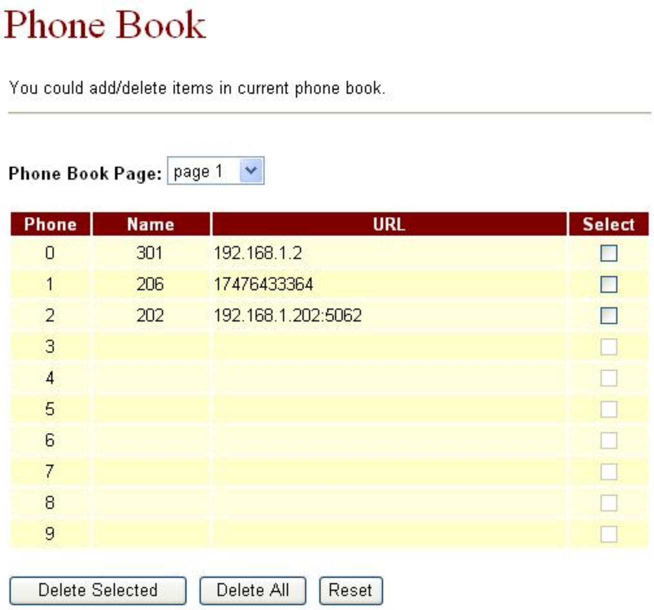
(Figure 1)

Step 2: After adding the new information (see the table as below), if no information is added, please save change (See Figure 2).



(Figure 2)

Step 3: After add all information, select [Save Change], enter [Save Changes] page, save the change. [Note Information] will be seen. Then the system will be restarted automatically, please wait for a second (See Figure 3).



(Figure 3)

Instruction 1: Name: 301, URL: 301@192.168.1.2.

Application 1: The user pick up the phone, input [301], which, in [Name] column is [192.168.1.2] that rings

Instruction 2: Name: 206, URL: 17476433364.

Application 1: The user pick up the phone, input [206], which, in [Name] column is [17476433364] that rings.

Instruction 3: Name: 202, URL: 192.168.1.202:5062.

Application 1: The user pick up the phone, input [202], which, in [Name] column is [192.168.1.2:5062] that IP: 192.168.1.2 and port 5062 ring.

Application 2: The user pick up the phone, input [0227458080], but no information is found in [Name] column, so the requirement will be sent directly.

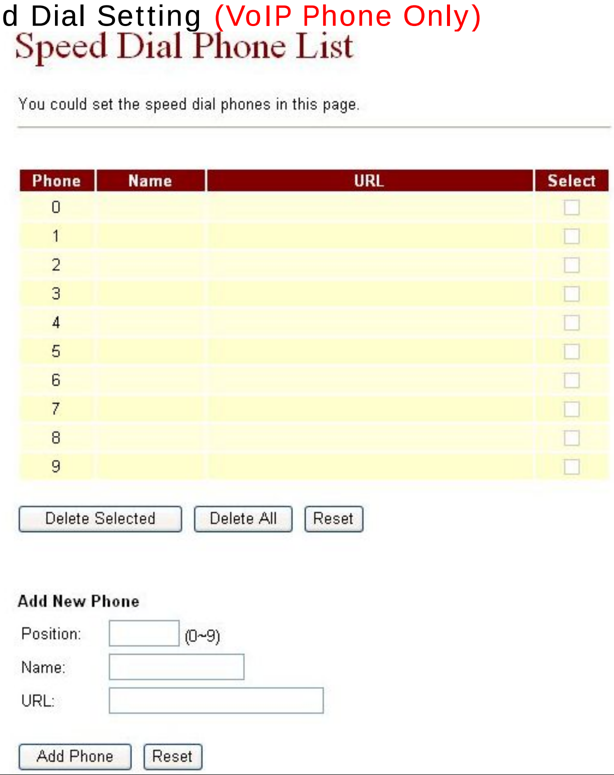
3.2 Speed Dial (for Phone)

3.2.1 Function

Speed Dial Phone List can provide 10 entries in total and must be used with Function Key.

3.2.2 Instruction

Figure Speed Dial Setting (VoIP Phone Only)

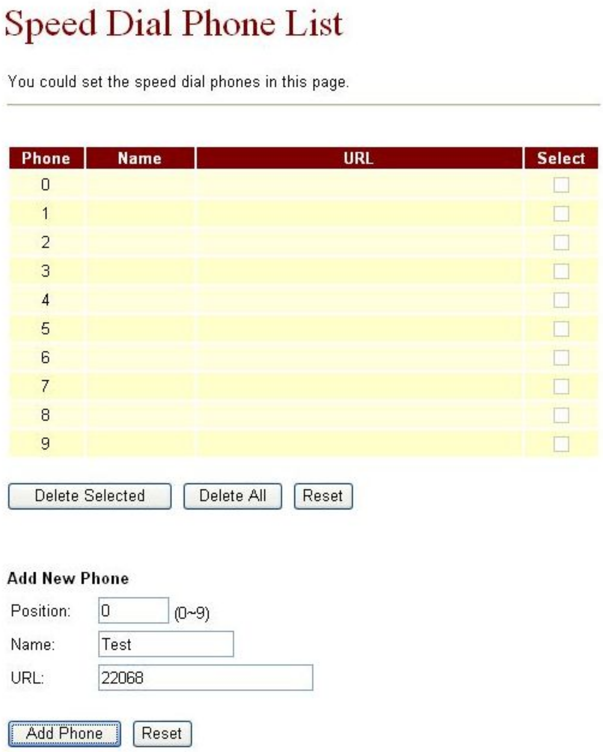


Phone	Show the serial number. 10 entries in total.
Name	Show the user's name.
URL	Show the URL information.
Select	Select the information.
Delete Selected [Button]	Delete all selected information.
Delete All [Button]	Delete all information.
Reset [Button]	Reset selected information.
Add New Phone	Add new speed dial phone book information.
Phone	Input serial number, from(0~9) . . Maximum length is 1 bytes.
Name	Input the code, numbers or names; maximum length is 31 bytes.
URL	Input Line Number or IP information; maximum length is 63 bytes.
Add Phone [Button]	Add this new entry.
Reset [Button]	Reset selected information.

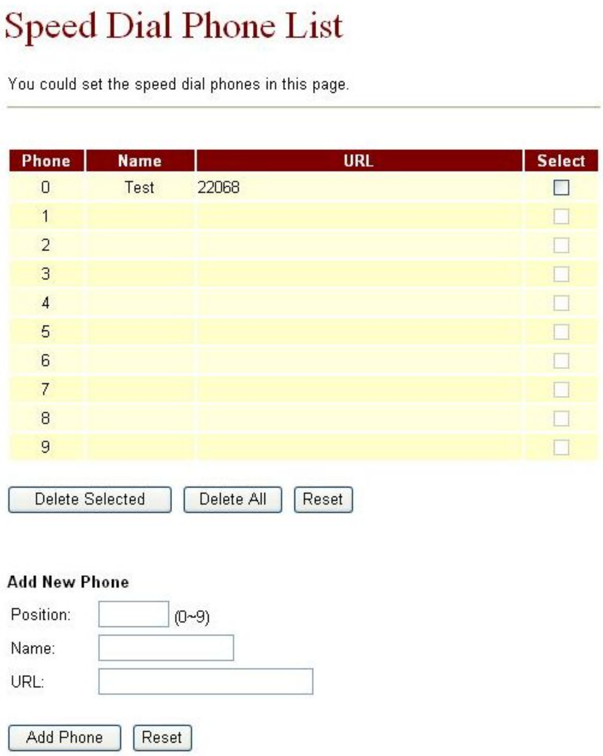
3.2.3 Operate Instruction

Step 1: On the main page, select [Phone Book→Speed Dial], enter [Speed Dial Phone List] page, after revise the information (Phone: 0, Name: test, URL: 22068), (Figure 1), press

the [Add Phone] (See Figure 1).

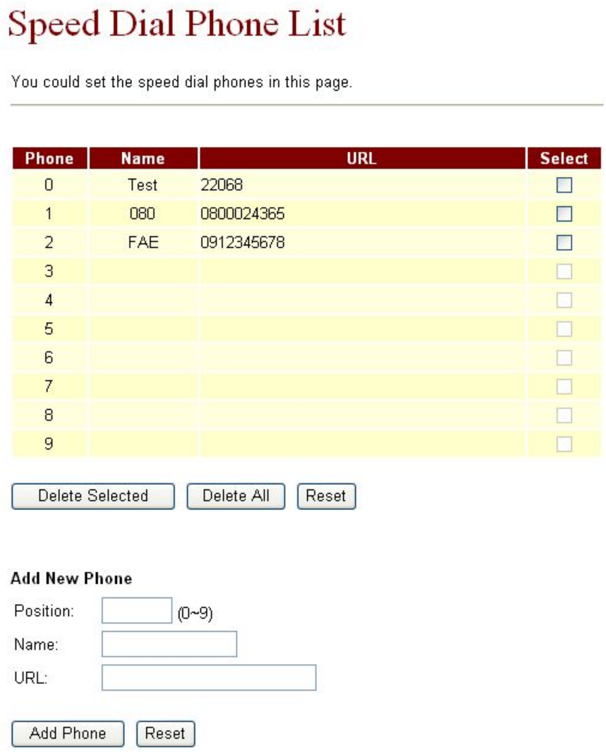


Step 2: After adding all the new information, please save change (See Figure 2).



(Figure 2)

Step 3: After adding all information (See Figure 3), on the main page, select [Save Change], enter [Save Changes] page, and enforce the command by pressing [Save]. [Note Information] will be seen when saving successfully, then the system will be restarted automatically, please wait for a second.



(Figure 3)

Step 4: When using the speed dialing function, please choose the right key (like M2), then the requirement will be forwarded directly to Phone2: 09123456789.

Chapter 4. Phone Setting

Provides Forward Setting, SNTP Setting, Volume Setting, DND Setting, Caller ID Setting, Auto Dial Setting, Dial Plan, Flash Time Setting, Call Waiting Setting, Soft-Key Setting, Hotline Setting, Alarm Setting, T.38 Setting.

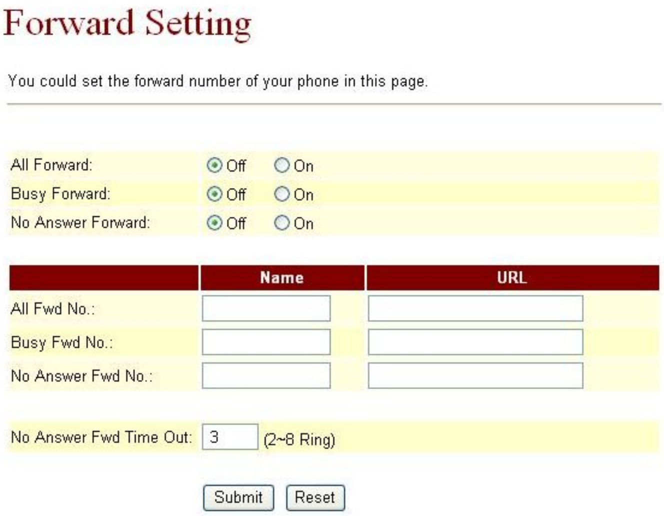
4.1 Forward Setting

4.1.1 Function

Provide forward function.

4.1.2 Instruction

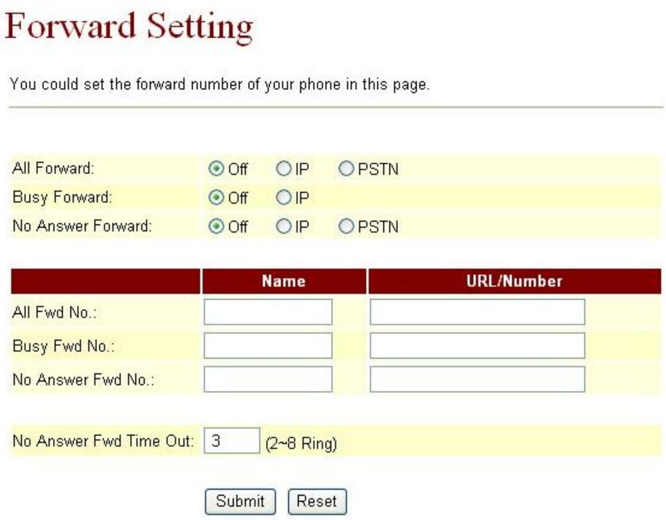
Figure Forward Setting (VoIP Gateway/Phone Only)



All forward	Default: Off. When setting On, all incoming calls will be forwarded, in support of IP mode.
Busy Forward	Default: Off. When setting On, and the line is busy, it will run to support IP mode.
No Answer Forward	Default: off. When setting On and there is no body answer the phone, it will run to support IP mode.
All Fwd No.	All incoming calls will be forwarded.
Name	Show or Input the name.
URL Number	Show or input the dialing information, can be Login Account, IP Address or PSTN Numbers, maximum length is 63 bytes.
Busy Fwd No.	Forward the call when line is busy.
Name	Show or set the name.
URL Number	Show or input the dialing information, can be Login Account, IP Address or PSTN Numbers, maximum length is 63 bytes.
No Answer Fwd No.	Forward the call when nobody answers the phone.
Name	Show or set the name.
URL Number	Show or input the dialing information, can be Login Account, IP Address or PSTN Numbers, maximum length is 63 bytes.
No Answer Fwd Time Out	Default: 3(Ring), when ringing 3 times but no one answers, it is regarded as no one answers the call. Data Range: (2~8 Ring). . . Maximum length is 2 bytes.
Submit [Button]	Enforce the command of saving chance.

Reset [Button]	Delete selected information.

Figure Forward Setting (VoIP Gateway/Phone + FXO Only)



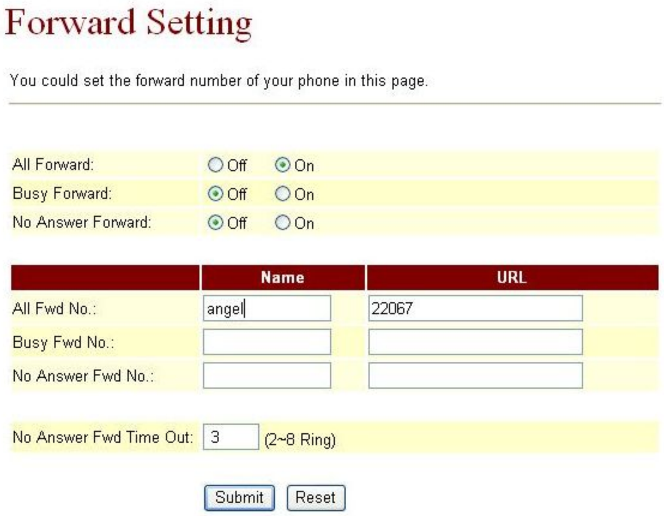
All forward	Default: Off. When setting ON, all the incoming calls will be forwarded by IP mode or PSTN mode. **NOTICE: If the incoming call goes through FXO, the call could only be forwarded to IP mode.**
Busy Forward	Default: Off. When setting On, and the line is busy, the call will be forwarded only by IP mode.
No Answer Forward	Default: Off. When setting On, and nobody answers the phone, it will run by IP mode or PSTN mode. **NOTICE: If the incoming call goes through FXO, the call could only be forwarded to IP mode.**
All Fwd No.	All incoming calls will be forwarded.
Name	Show or input the name.
URL Number	Show or input the dialing information, can be Login Account, IP Address or PSTN Numbers, maximum length is 63 bytes.
Busy Fwd No.	Forward the call when line is busy.
Name	Show or set the name.
URL Number	Show or input the dialing information, can be Login Account, IP Address or PSTN Numbers, maximum length is 63 bytes.
No Answer Fwd No.	Forward the call when nobody answers the phone.
Name	Show or set the name.
URL Number	Show or input the dialing information, can be Login Account, IP Address or PSTN Numbers, maximum length is 63 bytes.
No Answer Fwd Time Out	Default: 3(Ring), when ringing 3 times but no one answers, it is regarded as no one answers the call. Data Range: (2~8 Ring) . . Maximum length is 2 bytes.
Submit [Button]	Enforce the command of saving chance.
Reset [Button]	Delete selected information.

4.1.3 Operate Instruction

Example 1: Forwarded under any condition

Step 1: On the main page, select [Phone Setting→Forward Setting], enter [Forward Setting] page, after revising all the information (All Forward: on, All fwd No Name: angel, URL:

22067), press [Submit] (See Figure 1).



(Figure 1)

Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: When receiving a new incoming call, and it will be forwarded to code [Register Number: 22067] automatically.

Example 2: Busy Forward or No Answer Forward

Step 1: On the main page, select [Phone Setting→Forward Setting], enter [Forward Setting] page, after revising all the information (Busy Forward: on, No Answer Forward: on, Busy fwd No Name: Mobil, URL: 0912345678, No Answer Fwd No Name: ext, URL: 22068) (See Figure 2), then click [Submit].



(Figure 2)

Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

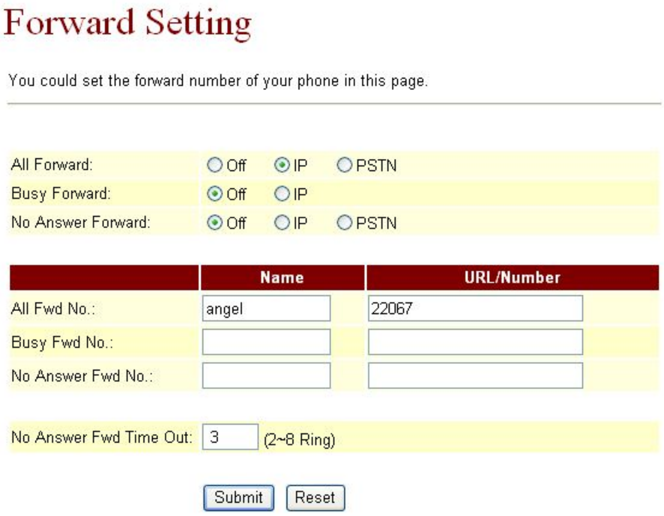
Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a second.

Step 4: When the line is busy, it will forward to Mobile [0912345678], and [0912345678] rings.

Step 5: When it rings 3 time, and nobody answer the phone, it will forward to [Register Number: 22068], and Register Account: 22068 rings.

Example 3: All incoming calls will be forwarded to IP

Step 1: On the main page, select [Phone Setting→Forward Setting], enter [Forward Setting] page, after revising all the information (All Forward: on, All fwd No Name: angel, URL: 0912345678) (See Figure 3), then click [Submit].



(Figure 3)

Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a second.

Step 4: When receiving a new call, it will forward to Register Number: 22067] automatically, and Register Account: 22067 rings.

Example 4: Busy forward to IP

Step 1: On the main page, select [Phone Setting→Forward Setting], enter [Forward Setting] page, after revising all the information (Busy Forward: on, No Answer Forward: on, Busy fwd No Name: Mobil, URL: 0912345678, No Answer Fwd No Name: ext, URL: 22068) (See Figure 4), then click [Submit].



(Figure 4)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a second.

Step 4: When the line is busy, it will forward to [0912345678], and Mobile [0912345678] rings.

Step 5: When it rings 3 time, and nobody answer the phone, it will forward to [Register Number: 22068], and Register Account: 22068 rings.

Example 5: All incoming calls will be forwarded to PSTN

Step 1: On the main page, select [Phone Setting→Forward Setting], enter [Forward Setting] page, after revising all the information (All Forward: PSTN, All fwd No Name: angel, URL: 0912345678) (See Figure 5), then click [Submit].



(Figure 5)

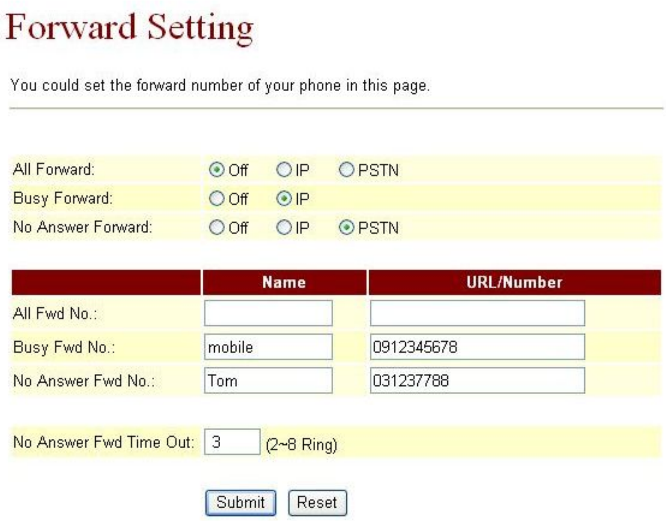
Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: When receiving a new call, it will run by PSTN Port automatically, and call Mobile [0912345678]

Example 6: Busy Forward or No Answer Forward to PSTN

Step 1: On the main page, select [Phone Setting→Forward Setting], enter [Forward Setting] page, after revising all the information (Busy Forward: PTSN, No Answer Forward: on, Busy fwd No Name: Mobile, URL: 0912345678, No Answer Fwd No Name: ext, URL: 22068) (See Figure 6), then click [Submit].



(Figure 6)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: When the line is busy, it will forward to [0912345678], and Mobile 0912345678 rings.

Step 5: When rings 3 times and nobody answer the phone, it will run by PSTN Port, and call PSTN [031237788], and 031237788 rings.

4.2 SNTP Setting

4.2.1 Function

SNTP Setting can provide the website of time setting for the server.

4.2.2 Instruction

Figure SNTP Setting



SNTP	When setting ON, the SNTP is on; and when setting OFF, the SNTP is off.
Primary Server	Default: time.windows.com; Can input IP or Domain Name, format is xxx.xxx.xxx.xxx; and the maximum length is 63 digits.
Secondary Server	Default: 208.184.49.9; can input IP or Domain Name, format is xxx.xxx.xxx.xxx; and the maximum length is 63 digits.
Time Zone	Default: GMT + 08:00 (hh:mm), and the format is (+/-, hh:mm). . . Maximum length is 2 bytes.
Sync. Time	Default: 1:00:00 (dd:hh:mm), it will check the time with the Server every other days, format: (dd:hh:mm) . . Maximum length is 2 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

4.2.3 Operate Instruction

Step 1: On the main page, select [Phone Setting→SNTP Setting], enter [SNTP Setting] page, after revising all information (e.g. SNTP: on, Primary Server: 208.184.49.9, Secondary Server: time.windows.com, Time Zone: GMT+08:00, Sync. Time: 00:12:00) (See Figure 1), then click [Submit].



(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

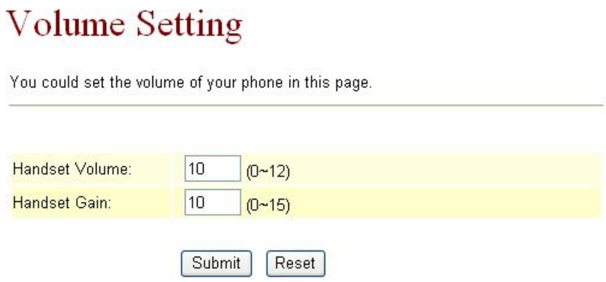
4.3 Volume Settings

4.3.1 Function

Volume setting controls the volume of the mic, speaker, and FXO.

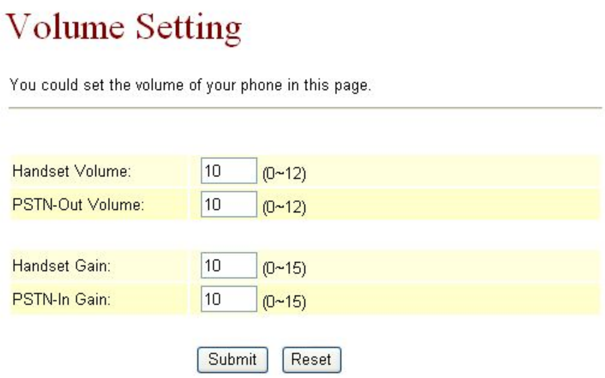
4.3.2 Instruction

Figure   DND Setting (VoIP Gateway Only)



Handset Volume	Default 10. Control the volume of the Handset from (0~12) . . Maximum length is 2 bytes.
Handset Gain	Default 10. Control the handset gain from (0~15) . . Maximum length is 2 bytes.
Submit [Button]	Save the change.
Reset [Button]	Clear the change.

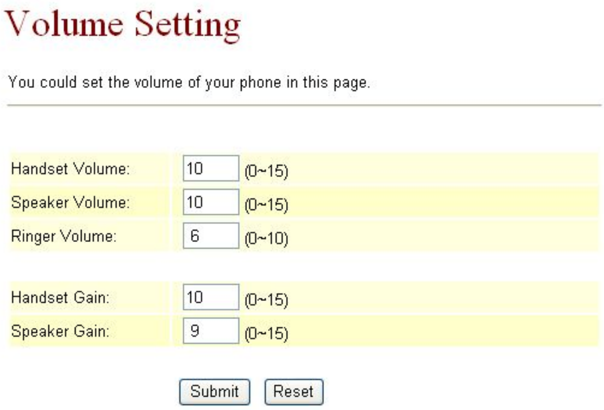
Figure   DND Setting (VoIP Gateway + FXO Only)



(Figure 2)

Handset Volume	Default 10. Control the volume of the Handset from (0~12) . . Maximum length is 2 bytes.
PSTN-Out Volume	Default 10. Control the PSTN-Out (PSTN Port) Volume from (0 ~12) . . Maximum length is 2 bytes.
Handset Gain	Default 10. Control the Handset Gain from (0~15) . . Maximum length is 2 bytes.
PSTN-In Gain	Default 10. Control the PSTN-In (PSTN Port) Gain from (0~15) . . Maximum length is 2 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

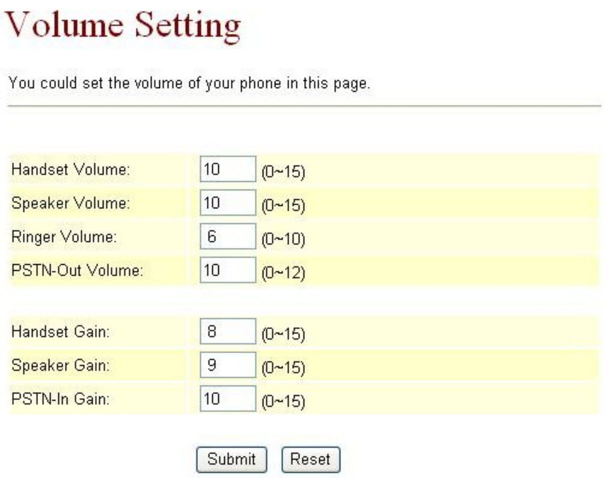
Figure   DND Setting (VoIP Phone Only)



(Figure 3)

Handset Volume	Default 10. Control the Handset Volume from (0~15) . . Maximum length is 2 bytes.
Speaker Volume	Default 10. Control the Speaker Volume from (0~15) . . Maximum length is 2 bytes.
Ringer Volume	Default 6. Control the Ringer Volume from (0~10) . . Maximum length is 2 bytes.
Handset Gain	Default 10. Control the Handset Gain from 0~15 . . Maximum length is 2 bytes.
Speaker Gain	Default 9. Control the Speaker Gain Volume from 0~15 . . Maximum length is 2 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

Figure DND Setting (VoIP Phone + FXO Only)

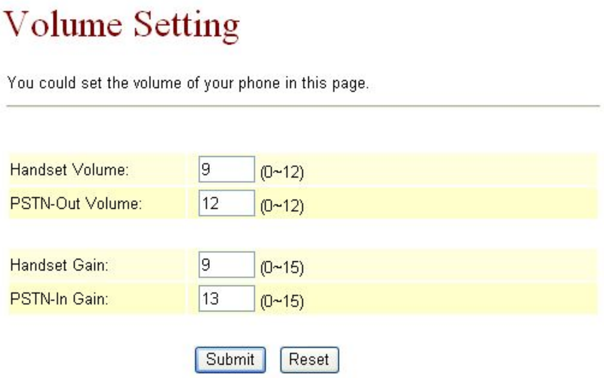


Handset Volume	Default 10. Control the Handset Volume from (0~15) . . Maximum length is 2 bytes.
Speaker Volume	Default 10. Control the Speaker Volume from (0~15) . . Maximum length is 2 bytes.
Ringer Volume	Default 6. Control the Ringer Volume from (0~10) . . Maximum length is 2 bytes.
PSTN-Out Volume	Default 10. Control the PSTN-Out (PSTN Port) Gain Volume from (0~12) . . Maximum length is 2 bytes.
Handset Gain	Default 8. Control the Handset Gain Volume from 0~15 . . Maximum length is 2 bytes.

Speaker Gain	Default 9. Control the Speaker Gain Volume from 0~15. . . Maximum length is 2 bytes.
PSTN-In Gain	Default 10. Control the PSTN-In (PSTN Port) Gain Volume from (0~15) . . Maximum length is 2 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

4.3.3 Operate Instruction

Step 1: On the main page, select [Phone Setting→ Volume Setting], enter [Volume Setting] page, after revising all information (e.g. Handset Volume: 9, PSTN-Out Volume: 12, Hand Set Gain: 9, PSTN-In Gain: 13) (See Figure 1), then click [Submit].



Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

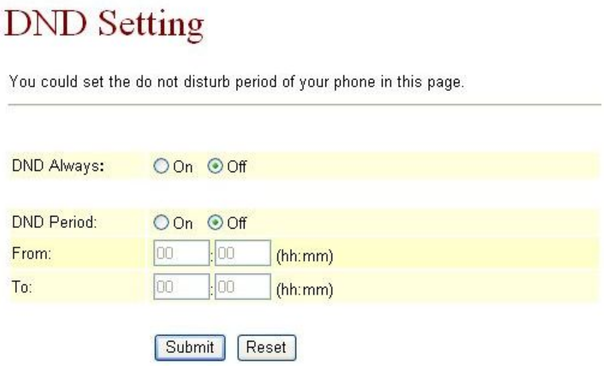
Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

4.4 DND Setting
4.4.1 Function

DND Setting allows denying all incoming calls or denies all incoming calls in a certain time period.

4.4.2 Instruction

Figure DND Setting

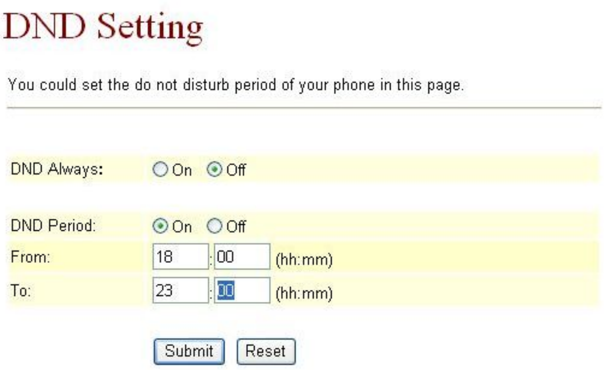


DND Always	Default: OFF. When setting ON, all incoming calls will be denied.
DNS Period	Default OFF. When setting ON, all incoming calls will be denied in pre-setting time period.
From	Default: 00:00 (hh:mm), please input the time point that begins the command. (24h in total, hh:mm) . . Maximum length is 2 bytes.
To	Default: 00:00(hh:mm), please input the time point that ends the command. (24h in total, hh:mm) . . Maximum length is 2 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

4.4.3 Operate Instruction

Example 1: Start the function that denies all incoming calls in a certain time period.

Step 1: On the main page, select [Phone Setting→ DND Setting], enter [DND Setting] page, after revising all information (e.g.DND Period: on, Form: 18:00, To: 23:00) (See Figure 1), then press [Submit].



(Figure 1)

Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

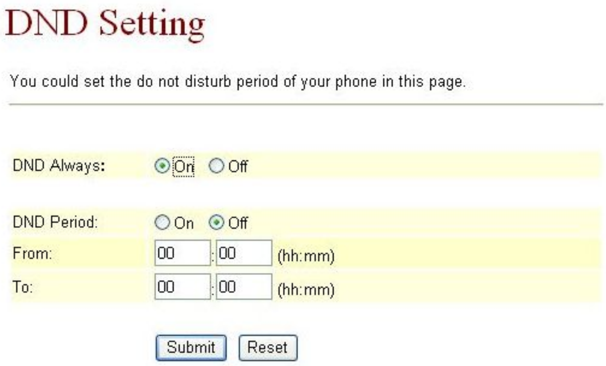
Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means

saving successfully. And the system will be restarted, please wait for a while.

Step 4: When receiving a new call during DND time period, "busy tone" will be heard.

Example 2: Start the function that denied all incoming calls

Step 1: On the main page, select [Phone Setting→ DND Setting], enter [DND Setting] page, after revising information (DND Always: on) (See Figure 2), then click [Submit].



(Figure 2)

Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: When receiving a new call, "busy tone" will be heard.

4.5 Caller ID (for FXS Port)

4.5.1 Function

Caller ID Setting provides Caller ID, Single Caller ID, CID without Time, CID Type 2

4.5.2 Instruction

Figure Caller ID Setting (VoIP Gateway Only)



Caller ID	Default: Caller ID after 1st Ring (FSK). After 1st Ring, the Caller ID will be forwarded. Providing Don't show caller ID, Caller ID after 1st Ring (FSK), Caller ID before 1st Ring (FSK), Caller ID berofr 1st Ring (DTMF) Items for choosing.
Signal Caller ID	Default NO. When setting ON, Caller ID, Call Out No. and date will be shown on the LCD. Single Caller ID: only contain Caller ID (without Name and Date/Time). According to Telcordia specifications, CND signaling starts as early as 300 mS after the first ring burst and ends at least 475 mS before the second ring burst
CID Without Time	Default: NO. When setting Yes, only caller ID will be shown.
CID Type 2	Default: No. When setting ON, and during a call, a new call also comes; the new call's ID will be shown on the LCD. **Needs the HW's support.**
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

4.5.3 Operate Instruction

Step 1: On the main page, select [Phone Setting→Caller ID Setting], enter [Caller ID Setting] page, after revising information (e.g. Caller ID: Don't show caller id) (See Figure 1), then click [Submit].



(Figure 1)

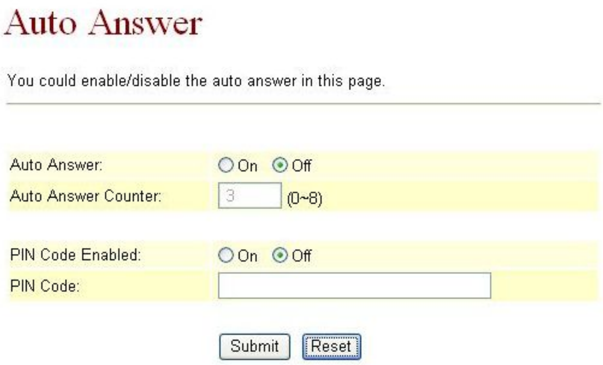
Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: When receiving a new call, no CID will be found.

4.6 Auto Answer (for FXO)
4.6.1 Function
Auto Answer provides auto answer and switches to FXO or FXS.

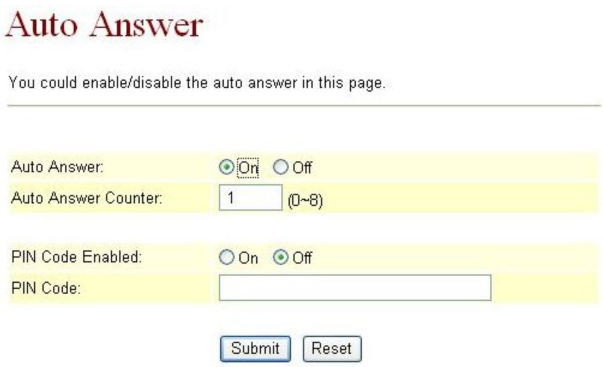
4.6.2 Instruction
Figure Auto Answer Setting



Auto Answer	Default OFF. When setting ON, auto answer will come into run.
Auto Answer Counter	Default 3rd Ring, when ringing after 3 times, auto answer will run. Counter zone (3~8) . . Maximum length is 2 bytes.
PIN Code Enabled	Default OFF. When setting ON, the right password is needed, and please presses"#" after the password.
PIN Code	The password. Maximum length is 31 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

4.6.3 Operate Instruction
Example 1: Start the Auto Answer Function

Step 1: On the main page, select [Phone Setting→Auto Answer], enter [Auto Answer] page, after revising information (e.g. Auto Answer: on, Auto Answer Counter: 1) (See Figure 1), then click [Submit].



(Figure 1)

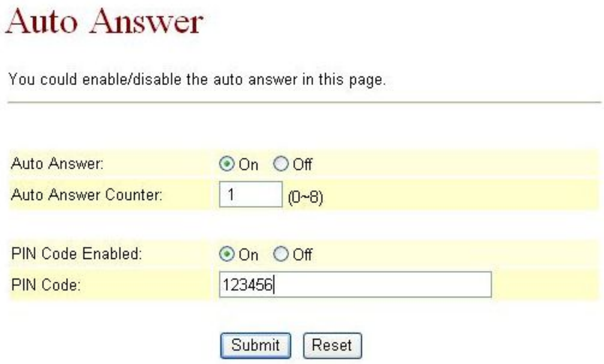
Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: When an incoming call comes through FXO or FXO Port, please wait for a while till heard the 2nd Dial Tone, then please dial FXS or FXO Port phone number.

Example 2: Start Auto Answer+ PIN Code Function

Step 1: On the main page, select [Phone Setting→Auto Answer], enter [Auto Answer] page, after revising information (e.g. Auto Answer: on, Auto Answer Counter: 1, PIN Code Enabled: on, PIN Code: 123456) (See Figure 2), then press [Submit].



(Figure 2)

Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: When dialing in through FXO or FXO Port, please wait for a while till hearing the dialing tone, then input the PIN Code (e.g. 123456) end with "#" till hearing the 2nd dialing tone, then input FXS or FXO Port phone number.

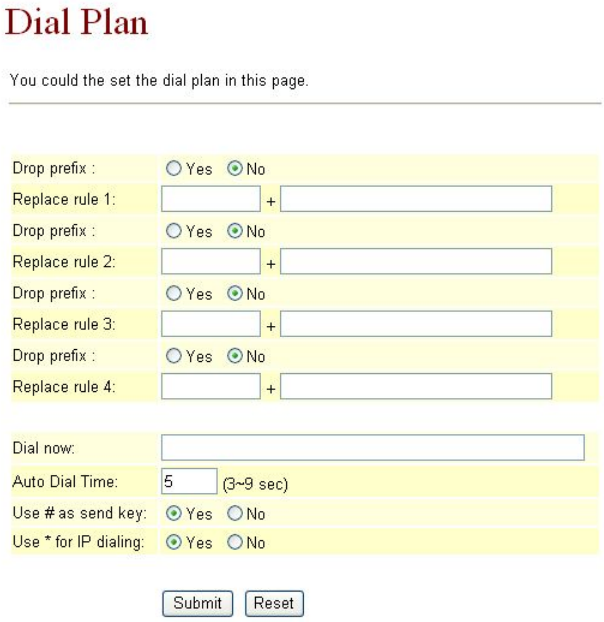
4.7 Dial Plan Settings

4.7.1 Function

Dial Plan provides Dial Now, Auto Dial Time, Use # as send Key, Use * for IP dialing function.

4.7.2 Instruction

Figure Dial Plan Setting



Drop Prefix	Default: No (Encode). When encountering the accordant rule, a new number will be added in front of the dialing number. When setting YES, and encountering the accordant rule, a new number will replace the dialing number.
Replace rule1	Providing the setting number information. 7 digits number is preferred, from (0~9999999) Can be numbers or strings. . Maximum length is 8 bytes.
+	Provides the rules for encode and decode. Maximum length is 31 digits number, can be numbers or signs (+, x). (+) means "Or"; (x) means any numbers that is from 0~9. E.g. 123+456+334+5xx, means 123 or 456 or 334 or 5xx(any numbers that begin with 5)
Drop Prefix	Default: No (Encode). When encountering the accordant rule, a new number will be added in front of the dialing number. When setting YES, and encountering the accordant rule, a new number will replace the dialing number.
+	Provides the rules for encode and decode. Maximum length is 31 digits number, can be numbers or signs (+, x). (+) means "Or"; (x) means any numbers that is from 0~9. . Maximum length is 40 bytes.
Replace rule2	Providing the setting number information. 7 digits number is preferred, from (0~9999999) . . Maximum length is 8 bytes.
+	Provides the rules for encode and decode. Maximum length is 31 digits number, can be numbers or signs (+, x). (+) means "Or"; (x) means any numbers that is from 0~9.

Drop Prefix	Default: No (Encode). When encountering the accordant rule, a new number will be added in front of the dialing number. When setting YES, and encountering the accordant rule, a new number will replace the dialing number.
Replace rule3	Providing the setting number information. 7 digits number is preferred, from (0~9999999). . Maximum length is 8 bytes.
+	Provides the rules for encode and decode. Maximum length is 31 digits number, can be numbers or signs (+, x). (+) means "Or"; (x) means any numbers that is from 0~9. . Maximum length is 40 bytes.
Drop Prefix	Default: No (Encode). When encountering the accordant rule, a new number will be added in front of the dialing number. When setting YES, and encountering the accordant rule, a new number will replace the dialing number.
Replace rule4	Providing the setting number information. 7 digits number is preferred, from (0~9999999) . Maximum length is 8 bytes.
+	Provides the rules for encode and decode. Maximum length is 31 digits number, can be numbers or signs (+, x). (+) means "Or"; (x) means any numbers that is from 0~9. . Maximum length is 40 bytes.
Dial Now	Provides the rules for encode and decode. Maximum length is 31 digits number, can be numbers or signs (+, x). (+) means "Or"; (x) means any numbers that is from 0~9. **But the first digit cannot be "0". Because 0 cannot judge the rule. So if Dial Now begins with "0", the system cannot work.** . Maximum length is 124 bytes.
Auto Dial Time	Default: 5 second. After waiting for a while, but didn't input any number, Auto Dial will run automatically. Time zone: (3~9 sec). . Maximum length is 3 bytes.
Use # for send key	Default: YES. It ends with # when execute this action. When setting NO, it didn't end with # when execute this action, but according with Auto Dial Time, after waiting for a while, and didn't input any information, then execute this action.
Use * for IP dialing	Default YES. When input "*", it will used as ".". E.g. When input 192*168*1*100#, it execute"192.168.1.100#". When setting NO, while dialing, input (*) doesn't mean (.).
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

4.7.3 Operate Instruction

Example 1: Dial Plan Function

Step 1: On the main page, select [Phone Setting→Dial Plan], enter [Dial Plan] page, after revising information (e.g. Drop prefixNo, Replace rule 1002, 8613+8662; Drop prefixYes, Replace rule 2006, 002+003+004+005+007+009; Drop prefixNo, Replace rule 3009, 12; Drop prefixNo, Replace rule 4007, 5xxx+35xx+21xx; Dial Now*xx+#xx+11x +xxxxxxxx) (See Figure 1), then press [Submit].



(Figure 1)

Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Instruction 1: Drop prefixNo, Replace rule 1002, 8613+8662.

Application 1: When dialing 8613, all numbers that begin with 8613, will be added with 002, so actually the dialing number is [002+8613+xxx].

Application 2: When dialing 8662, all numbers that begin with 8662, will be added with 002, so actually the dialing number is [002+8662+xxx].

Instruction 2: Drop prefixYes, Replace rule 2006, 002+003+004+005+007+009.

Application 1: When input 002 and all numbers that begin with 002 will be replaced by 006; so actually the dialing number is [006+xxx]

Application 2: When input 003 and all numbers that begin with 003 will be replaced by 006; so actually the dialing number is [006+xxx].

Instruction 3: Drop prefixNo, Replace rule 3009, 12.

Application 1: When input 12, and all numbers that begin with 12, will be added with 009; so actually the dialing number is [009+12+xxx].

Instruction 4: Drop prefixNo, Replace rule 4007, 5xxx+35xx+21xx.

Application 1: When input 5xxx, all 4 digits numbers that begin with 5, will be added with 007; so actually the dialing number is [007+5xxx].

Application 2: When input 534, all 3 digits numbers that begin with 5, doesn't match the encode rule, so actually the dial out number is [534]

Application 3: When input 35xxx, all 5 digits numbers that begin with 35, will be added with 007; so actually the dialing number is [007+5xxx].

Application 4: When dial 358822, it begins with 35, but there are 4 digits after 35, so it doesn't match the encode rule, so actually the dial out number is [358822]

Instruction 5: Dial Now*xx+#xx+11x+xxxxxxxx.

Application 1: Any information that meet the condition"*xx" will be sent out immediately, like *00, *01, *02... *99. If input "*0#", send out number is"*0#"

Application 2: Any information that meet the condition" #xx" will be sent out immediately, like #00, #01, #02...#99.

Application 3: Any information that meet the condition"11x" will be sent out immediately, like 110, 111, 112 ... 119. If dial number is"118", the send out number is 118.

Application 4: If input 8 digit numbers, the system will send out the number immediately. E.g.: 12345678

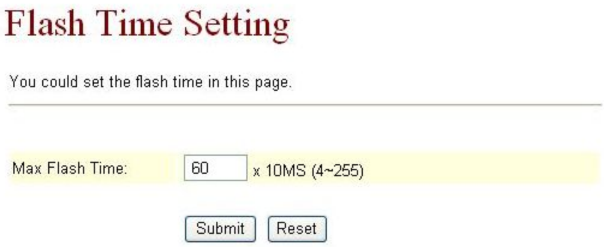
4.8 Flash Time Setting (for FXS & FXO)

4.8.1 Function

Flash Time Setting can transfer or hang off the phone.

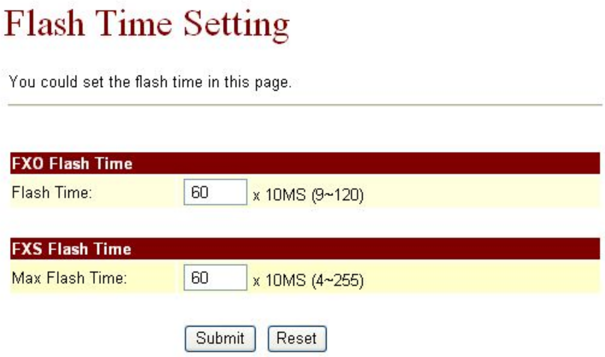
4.8.2 Instruction

Figure Flash Time Setting



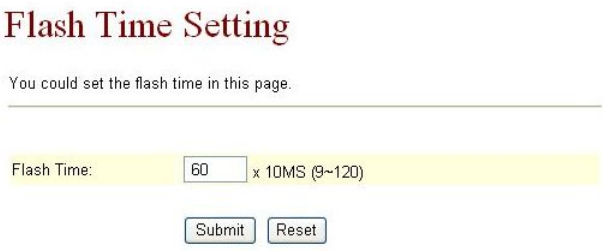
Max Flash Time	Default 60. Flash signal that is <(less than) 600ms, will be regarded as transfer; flash signal that is > (more than) 600ms will be regarded as On-Hook. From (4~255),Unit: 10MS. Maximum length is 3 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

Figure Flash Time Setting (VoIP Gateway + FXO Only)



FXO Flash Time	FXO Port Flash Time
Flash Time	Default 60. Flash signal that is <(less than) 600ms, will be regarded as transfer; flash signal that is > (more than) 600ms will be regarded as On-Hook. From (4~255),Unit: 10MS. Maximum length is 3 bytes.
FXS Flash Time	FXO Port Flash Time
Max Flash Time	Default 60. Flash signal that is <(less than) 600ms, will be regarded as transfer; flash signal that is > (more than) 600ms will be regarded as On-Hook. From (4~255),Unit: 10MS. Maximum length is 3 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

Figure Flash Time Setting (VoIP Phone + FXO Only)

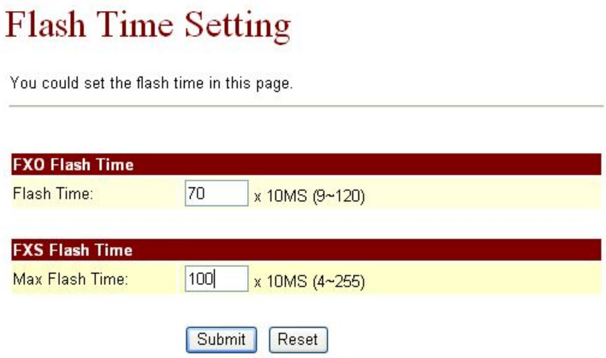


(Figure 3)

Flash Time	Default 60. Flash signal that is <(less than) 600ms, will be regarded as transfer; flash signal that is > (more than) 600ms will be regarded as On-Hook. From (4~255),Unit: 10MS. Maximum length is 3 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

4.8.3 Operate Instruction

Step 1: On the main page, select [Phone Setting→Flash Time Setting], enter [Flash Time Setting] page, after revising information (e.g. Flash Time: 70, Max Flash Time: 100) (See Figure 1), then click [Submit].



(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

4.9 Call Waiting Setting

4.9.1 Function

Call Waiting Setting provides call waiting function.

4.9.2 Instruction

Figure Call Waiting Setting



Call Waiting	Default: ON, when setting OFF, call waiting function will be off.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

4.9.3 Operate Instruction

Example 1: Close call waiting function

Step 1: On the main page, select [Phone Setting→ Call Waiting Setting], enter [Call Waiting Setting] page, after revising information (e.g. Call Waiting: off) (See Figure 1), then click [Submit].



(Figure 1)

Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: When there is a new call during calling, busy tone will be heard.

Example 2: Start the call waiting function

Step 1: On the main page, select [Phone Setting→ Call Waiting Setting], enter [Call Waiting Setting] page, after revising information (e.g. Call Waiting: off) (See Figure 1), then click [Submit].



(Figure 2)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: While Person A is talking with Person B, but Person C calls A; so A will hear the reminding tone, if A would like to pick up C’s call, A need to press the key [Hold] or [Flash] (B’s call is maintaining at the same time); If A would like to talk with B again, A need to press the key [Hold] or [Flash] (C’s call is maintaining at the same time)

4.10 Soft-Key Setting (for Phone)

4.10.1 Function

Soft-Key Setting provides Pick-up key and Voice mail key for the phone.

Phone is required to have those 2 keys. SIP Proxy server is required to have those function.

4.10.2 Instruction

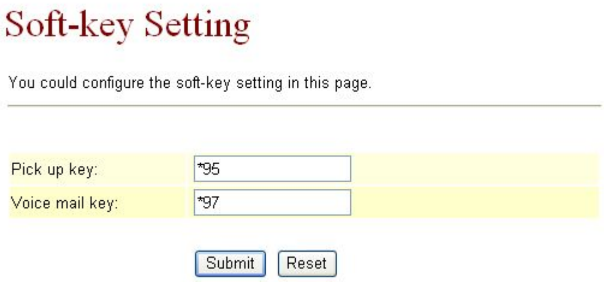
Figure Soft-Key Setting (VoIP Phone Only)



Pick up Key	Input the name of the pick up key, can be numbers or signs. Maximum length is 15 bytes. **The phone is required to have related keys.**
Voice mail Key	Input the name of the voice mail key, can be numbers or signs. Maximum length is 15 bytes. **The phone is required to have related keys.**
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

4.10.3 Operate Instruction

Step 1: On the main page, select [Phone Setting→Soft-Key Setting], enter [Soft-Key Setting] page, after revising information (e.g. C Pick up kye: *95, Voice Mail Key: *98) (See Figure 1), then click [Submit].



(Figure 1)

Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: When listening the voice mail, please press [Voice Mail]. When pick up the phone, please press [Pick UP]

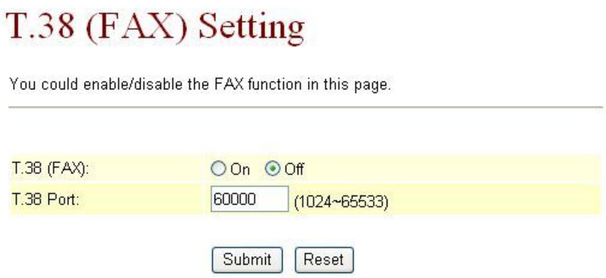
4.11 T.38 Setting (VoIP Gateway Only)

4.11.1 Function

T.38 Setting provides the setting related to fax T.38 **SIP Proxy server Or Trunk is required to have those function.**

4.11.2 Instruction

Figure T.38 (FXS) Setting (VoIP Gateway Only)



(Figure 1)

T.38 (FAX)	Default ON. When setting OFF, T. 38 will be closed.
T.38 Port	Default 60000. To set the location of T.38. Data range: (1024~ 65535) . Maximum length is 5 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

Figure T.38 (FXS) Setting (2FXS VoIP Gateway Only)



T.38 (FAX)	Default: ON. When setting OFF, T. 38 will be closed.
T.38 Port of Phone 1	Default 60000. To set the location of T.38. Data range: (1024~ 65535) **Support one port executes fax function.** . Maximum length is 5 bytes.
T.38 Port of Phone 2	Default 60100. To set the location of T.38. Data range: (1024~ 65535) **Support one port executes fax function.** Maximum length is 5 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

4.11.3 Operate Instruction

Step 1: On the main page, select [Phone Setting→T.38 Setting], enter [T.38 Setting] page, after revising information (e.g. T.38 Port of Phone1: 60100, T.38 Port of Phone 2: 60000) (See Figure 1), then click [Submit].



Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

4.12 Hotline Settings

4.12.1 Function

Hot Line Setting allows dialing to a pre-setted number automatically as long as pick up the phone. **2FXS provides Hot Line**

4.12.2 Instruction

Figure Hot Line Setting



Use Hot Line	Default: Disable. When setting Enable, as long as pick up the phone, it will dial to the pre-setted phone number automatically.
Hot line Number	Input hot line number, can be IP Address or Phone Numbers, numerals or signs are both acceptable. Maximum length is 63 bytes. E.g. IP Address: 192.168.1.23 or Phone Number: 0800024365. Maximum length is 63 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

4.12.3 Operate Instruction

Example 1: Register Account or Input Hot Line Number.

Step 1: On the main page, select [Phone Setting→ HotLine Setting], enter [HotLine Setting] page, after revising information (e.g. User Hot Line: Enable, Hot Line number: 22062) (See Figure 1), then click [Submit].



(Figure 1)

Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: After restarted the system and pick up the phone, it will dial to [22062] automatically.

Example 2: Dial to another IP Address directly.

Step 1: On the main page, select [Phone Setting→ Hotline Setting], enter [Hotline Setting] page, after revising information (e.g. User Hot Line: Enable, Hot Line number: 22062) (See Figure

2), then click [Submit].



(Figure 2)

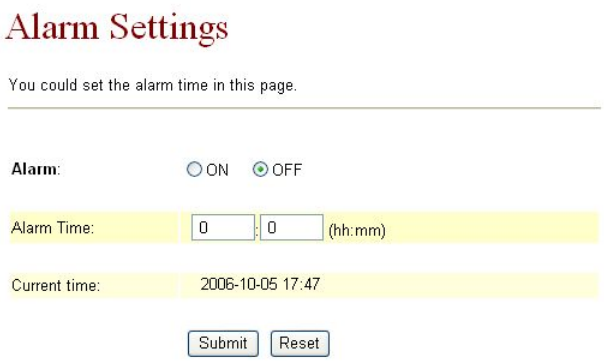
Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: After restarted the system and pick up the phone, it will dial to IP Address [192.168.1.206] automatically.

4.13 Alarm Settings
4.13.1 Function
Alarm Settings provides the alarm function.

4.13.2 Instruction
Figure Alarm Setting



Alarm	Default: OFF. When setting ON, alarm function will execute. Duration is 1 minute. Stop the alarm by pick up the handset.
Alarm Time	Default: 0:0. (O hour: 0 Minute). Time format: 24 Hours.(hh:mm)
Current time	Show the alarm time of the next time. Format 2006-10-05 17:47
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

4.13.3 Operate Instruction
Step 1: On the main page, select [Phone Setting→ Alarm Setting], enter [Alarm Setting] page, after revising information (e.g. Alarm: On, Alarm Time: 12:59) (See Figure 1), then click [Submit].



(Figure 1)

Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: At 12:59, the alarm will start to work, and last 1min. After 1 min, the alarm will stop. During ringing, pick up the phone, the alarm will stop automatically.

Chapter 5. Network Setting

Provides Network Status, WAN Setting, LAN Setting, DDNS Setting, VLAN Setting, DMZ Setting, Virtual Server, PPTP Setting.

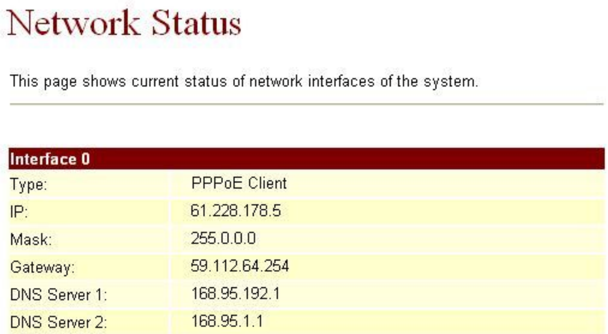
5.1 Status

5.1.1 Function

Network Status shows the current network status.

5.1.2 Instruction

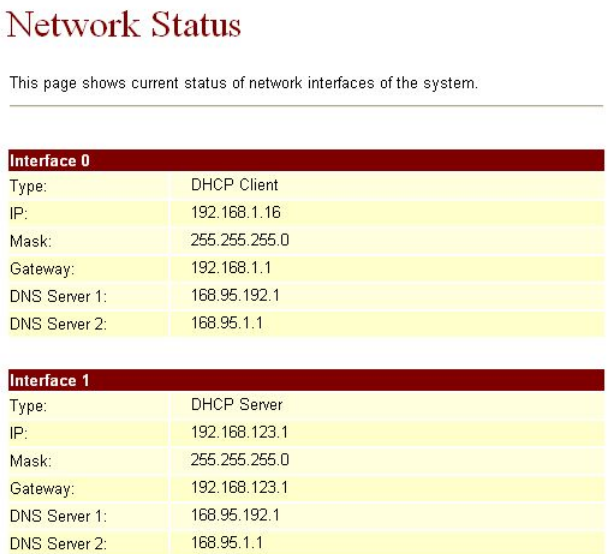
Figure Network Status (Bridge Mode)



(Figure 1)

Interface 0	Show the current status of Interface 0(WAN Port)
Type	Show the current Type.
IP	Show the current IP Address.
Mask	Show the current Subnet Mask IP Address.
Gateway	Show current Default Gateway IP Address.
DNS Server1	Show current DNS Server 1 IP Address.
DNS Server2	Show current DNS Server 2 IP Address.

Figure Network Status (NAT Mode)

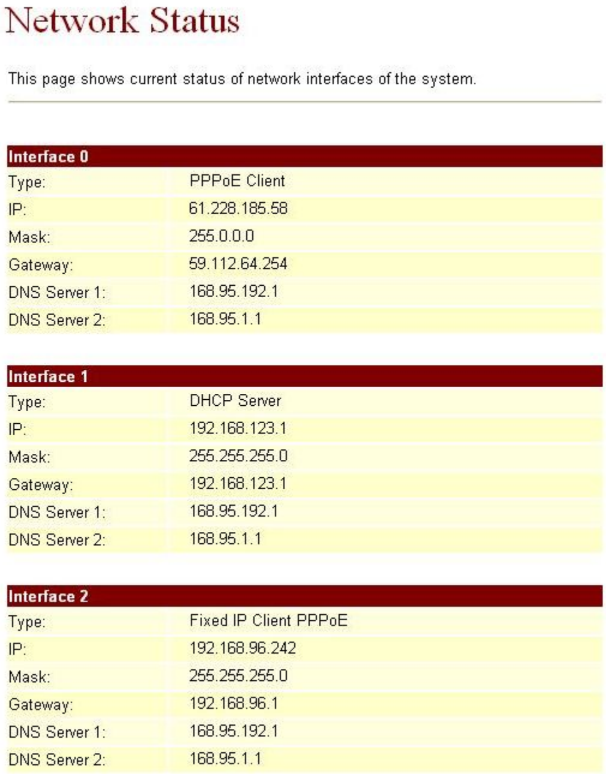


(Figure 2)

Interface 0	Show the current status of Interface 0(WAN Port)
Type	Show the current Type.

IP	Show the current IP Address.
Mask	Show the current Subnet Mask IP Address.
Gateway	Show current Default Gateway IP Address.
DNS Server1	Show current DNS Server 1 IP Address.
DNS Server2	Show current DNS Server 2 IP Address.
Interface 1	Show the current status of Interface 1(LAN Port)
Type	Show the current Type.
IP	Show the current IP Address.
Mask	Show the current Subnet Mask IP Address.
Gateway	Show current Default Gateway IP Address.
DNS Server1	Show current DNS Server 1 IP Address.
DNS Server2	Show current DNS Server 2 IP Address.

Figure Network Status (NAT + PPTP Mode)



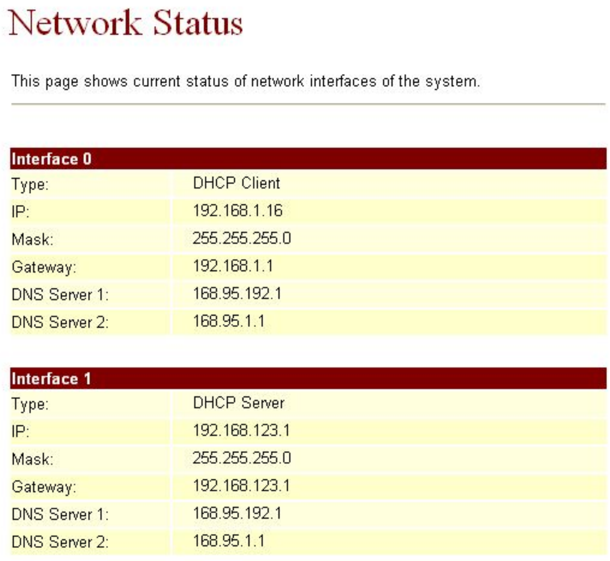
(Figure 3)

Interface 0	Show the current status of Interface 0(WAN Port)
Type	Show the current Type.
IP	Show the current IP Address.
Mask	Show the current Subnet Mask IP Address.
Gateway	Show current Default Gateway IP Address.
DNS Server1	Show current DNS Server 1 IP Address.
DNS Server2	Show current DNS Server 2 IP Address.
Interface 1	Show the current status of Interface 1(LAN Port)
Type	Show the current Type.
IP	Show the current IP Address.
Mask	Show the current Subnet Mask IP Address.
Gateway	Show current Default Gateway IP Address.
DNS Server1	Show current DNS Server 1 IP Address.
DNS Server2	Show current DNS Server 2 IP Address.

Interface 1	Show the current status of Interface 2(WAN Port)
Type	Show the current Type.
IP	Show the current IP Address.
Mask	Show the current Subnet Mask IP Address.
Gateway	Show current Default Gateway IP Address.
DNS Server1	Show current DNS Server 1 IP Address.
DNS Server2	Show current DNS Server 2 IP Address.

5.1.3 Operate Instruction

Step 1: On the main page, select [Network Setting→Network Status], enter [Network Status] page, Network Status will be seen (Figure 1).



(Figure 1)

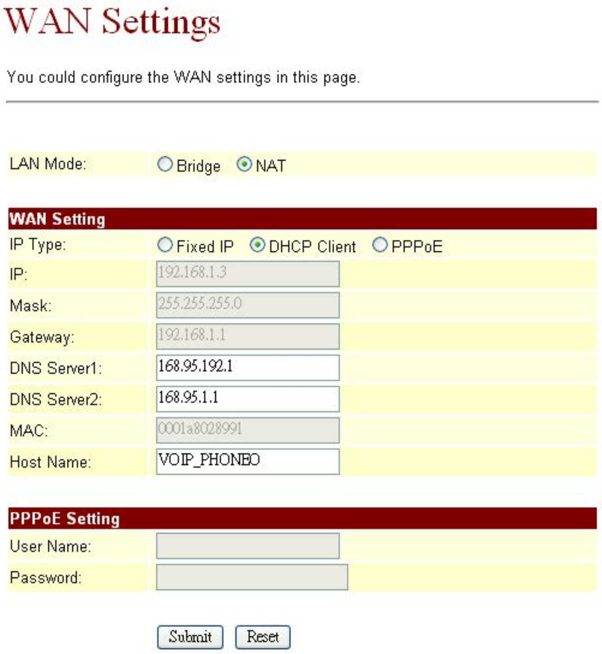
5.2 WAN Settings

5.2.1 Function

WAN Settings provide WAN Setting.

5.2.2 Instruction

Figure WAN Setting

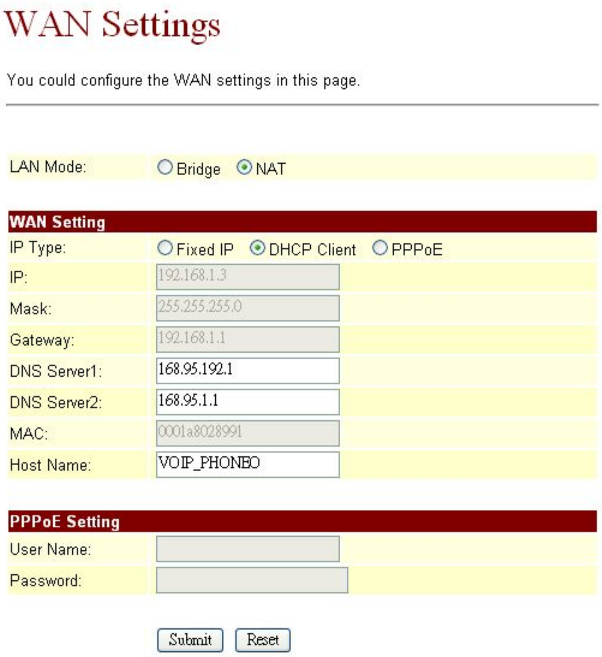


LAN Mode	Default: NAT. NAT is different from WAN; LAN will dispatch IP to DHCP Server automatically. When Bridge is on, WAN & LAN can be at the same subnet.
WAN Setting	Provide the WAN setting
IP Type	Default: DHCP Client, provides Fixed IP, gains IP Address automatically. PPPoE: ADSL Dialing number.
IP	Default: current IP Address; or any IP Address that is xxx.xxx.xxx.xxx. If would like to change IP Address, please set IP Type as "Fixed IP". . Maximum length is 15 bytes.
Mask	Default: current Subnet Mask IP Address. Format: xxx.xxx.xxx.xxx. Or change Sunbet Mask IP. Maximum length is 15 bytes.
Gateway	Default: current gateway IP address; or change Gateway IP. . Maximum length is 15 bytes.
DNS Server1	Default: 168.95.192.1. Can input IP or Domain Name, format: xxx.xxx.xxx.xxx. If would like to gain DHCP or PPPoE Server automatically, please fill this blank as "0.0.0.0". Maximum length is 15 bytes.
DNS Server2	Default: 168.95.1.1. Can input IP or Domain Name, format: xxx.xxx.xxx.xxx. If would like to gain DHCP or PPPoE Server automatically, please fill this blank as "0.0.0.0". . Maximum length is 15 bytes.
MAC	Show MAC ID Address. . Maximum length is 12 bytes.
Host Name	Default: product name. Numbers or strings are both acceptable. Length: 15 bytes.
PPPoE Setting	Provides PPPoE Setting.

User Name	Provides user's name of PPPoE Server, can be numbers or strings. Length: 63 bytes.
Password	Provides password of PPPoE Server, can be numbers or strings. Length: 63 bytes.
Service Name	. Maximum length is 63 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

5.2.3 Operate Instruction

Step 1: On the main page, select [Network Setting→WAN Setting], enter [WAN Settings] page, after revising information (e.g. IP Type: DHCP Client) (See Figure 1), then click [Submit].

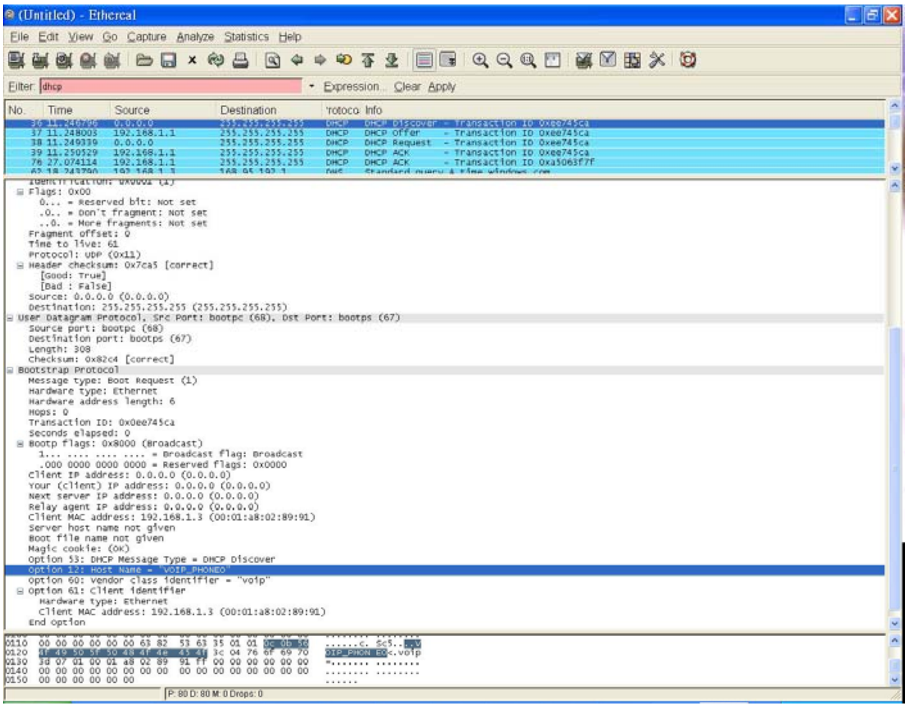


(Figure 1)

Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: To view [Host Name] by Ethereal. Please refer [Option 12Host Name= "VOIP Phone"] as follows (See Figure 2)



(Figure 2)

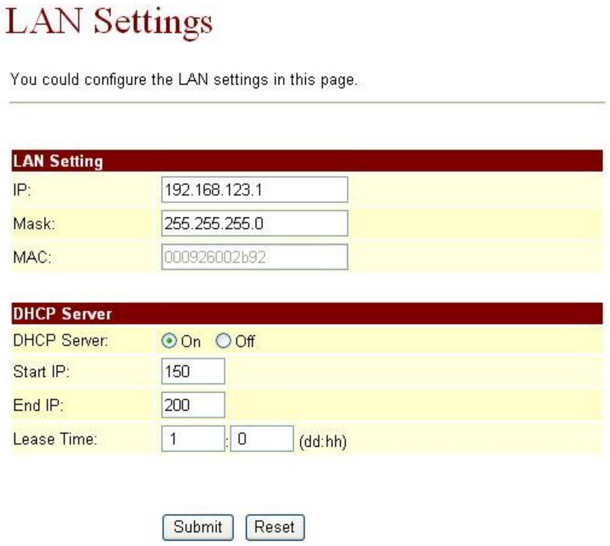
5.3 LAN Settings

5.3.1 Function

LAN Settings provide LAN setting, including DHCP Server function.

5.3.2 Instruction

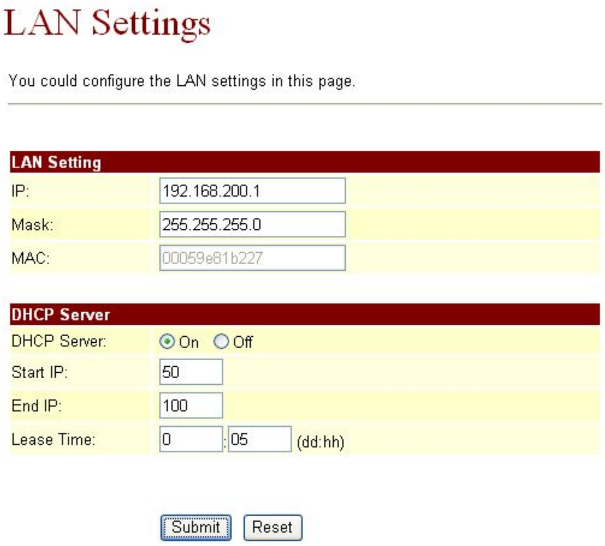
Figure LAN Setting



LAN Setting	Provides LAN Setting.
IP	Default: 192.168.123.1. Format: xxx.xxx.xxx.xxx. Maximum length is 15 bytes.
Mask	Default: 255.255.255.0 provides Subnet Mask IP Address. Format: xxx.xxx.xxx.xxx. Maximum length is 15 bytes.
MAC	Show MAD ID information. Maximum length is 12 bytes.
DHCP Server	Provides DHCP Server information.
DHCP Server	Default: OFF. When setting ON, DHCP Server will run automatically.
Start IP	Default: 150, to set Start IP information. From (1~254). Maximum length is 3 bytes.
End IP	Default: 200, to set End IP information. From (1~254). Maximum length is 3 bytes.
Lease Time	Default: 1:0 (dd: hh), to set lease time for dispatching IP information. From (00:00~99:23). Maximum length is 2 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

5.3.3 Operate Instruction

Step 1: On the main page, select [Network Setting→ LAN Setting], enter [LAN Settings] page, after revising information (e.g. IP: 192.168.200.1, Start IP: 50, End IP: 100, Lease Time: 00:05) (See Figure 1), then click [Submit].



(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

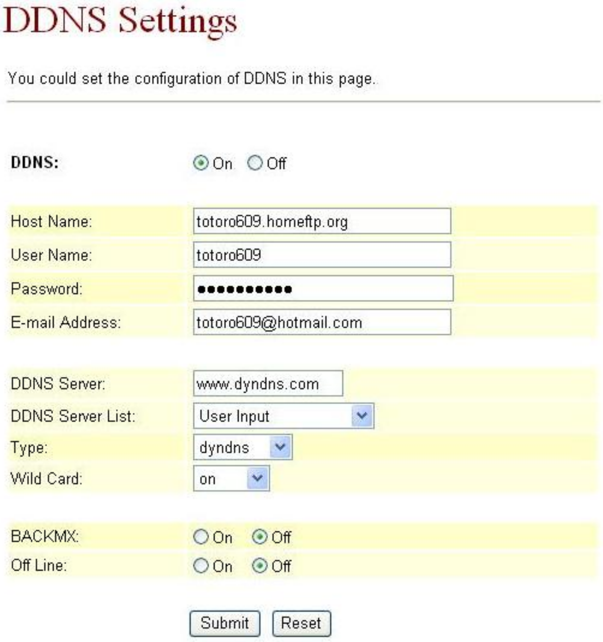
5.4 DDNS settings

5.4.1 Function

DDNS Settings provide the floating IP information. 3 DDNS Servers information will be found.

5.4.2 Instruction

Figure DDNS Setting



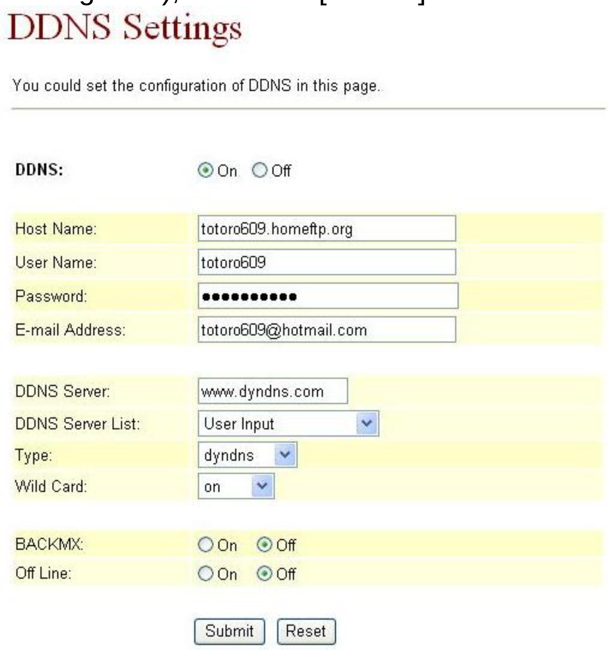
DDNS	Default: OFF. When setting ON, DDNS will come into run. Maximum length is 63 bytes.
Host name	Maximum length is 63 bytes. Input Host name, can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx. Length: 63 bytes
User Name	Input user's name for registering DDNS Server.
Password	Input the password. Maximum length is 63 bytes.
E-mail address	Input E-mail address. Maximum length is 63 bytes.
DDNS Server	Maximum length is 60 bytes. Input DDNS Server, can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx. Maximum length is 63 bytes.
DDNS Server List	Default: OFF. Display DDNS server's name list information. Provide user input, members.dyndns.rog, www.dtdns.com, ddns.com.cn
Type	Default: dyndns. Provides dyndns, statdns, customer, 3 items. If you choose customer, you can change the type information.
Wild Card	Default: on. Provides On, Off, Nochg 3 items. Not all DNS provider can provide Wild Card, so any issue about this, please contact with your provider.
BACKMX	Default: OFF. When setting ON, BACKMAX will come into run. Not all DNS provider can provide this service, so any issue about this, please contact with your provider. MX records serve a specific purpose: they let you specify the host (server) to which mail for a specific domain should be sent.

OFF Line	Default: OFF. When setting ON, OFF Line will come into run. Redirection of HTTP requests to hosts which are marked offline is available to users who have purchased some type of upgrade credit only. As a credited user, you will see an "Offline URL" range and a "Set Offline" checkbox. Simply enter the URL you wish to redirect to in the text range (or leave it blank to get a generic page), and check the "Set Offline" box. Users accessing http://yourhost.dyndns.org/ will be redirected to this page until you update normally, or manually uncheck the box in the web form.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

5.4.3 Operate Instruction

Example 1: Using WWW.DYNDNS.COM

Step 1: On the main page, select [Network Setting→ DDNS Setting], enter [DDNS Settings] page, after revising information (e.g. DDNS: On, Host Name: totoro609.hotmeftp.org, User Name: totoro609, Password: totoro609, E-mail Address: totoro609@hotmail.com, DDNS Server: www.dyndns.com, DDNS Server List: User Input, Type: dyndns, Wild Card: on, BACKMX: off, Off Line: off) (See Figure 1), then click [Submit].

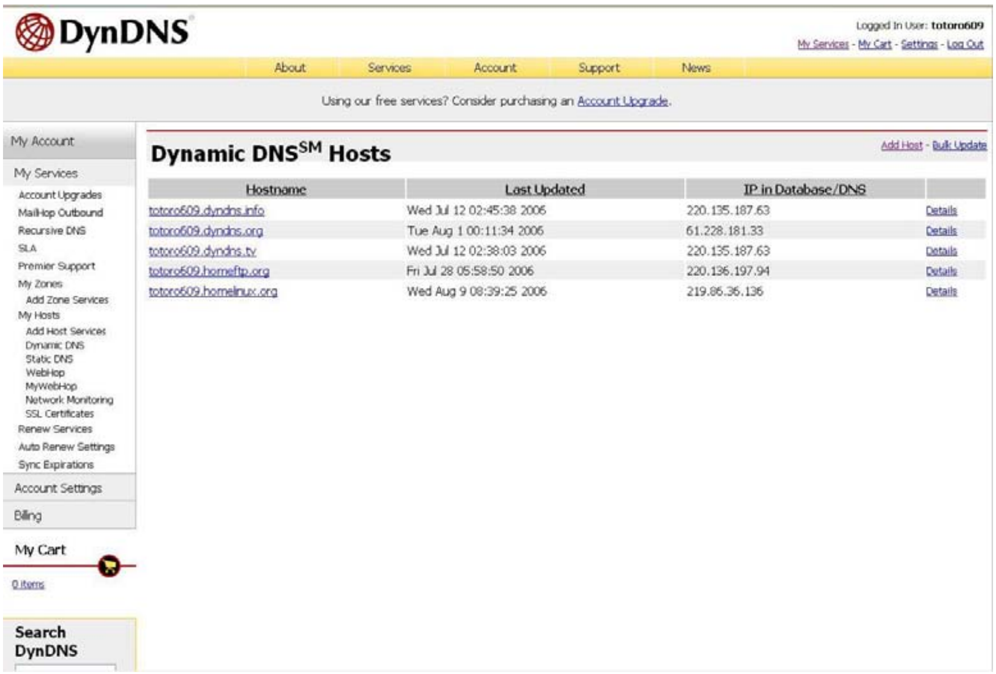


(Figure 1)

Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

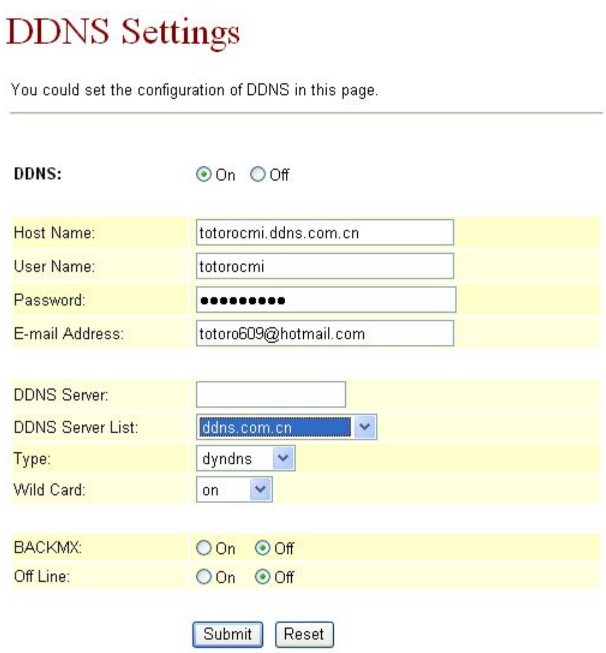
Step 4: Open DynDNS to view new IP Address of DDNS: totoro609.hotmeftp.org. e.g.: 220.136.197.74 (Figure 2)



(Figure 2)

Example 2: Using WWW.DDNS.CN

Step 1: On the main page, select [Network Setting→ DDNS Setting], enter [DDNS Settings] page, after revising information (e.g. DDNS: On, Host Name: totorocmi.ddns.com.cn, User Name: totorocmi, Password: totoro609, E-mail Address: totoro609@hotmail.com, DDNS Server List: ddns.com.cn, Type: dyndns, Wild Card: on, BACKMX: off, Off Line: off) (See Figure 1), then click [Submit].



(Figure 3)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

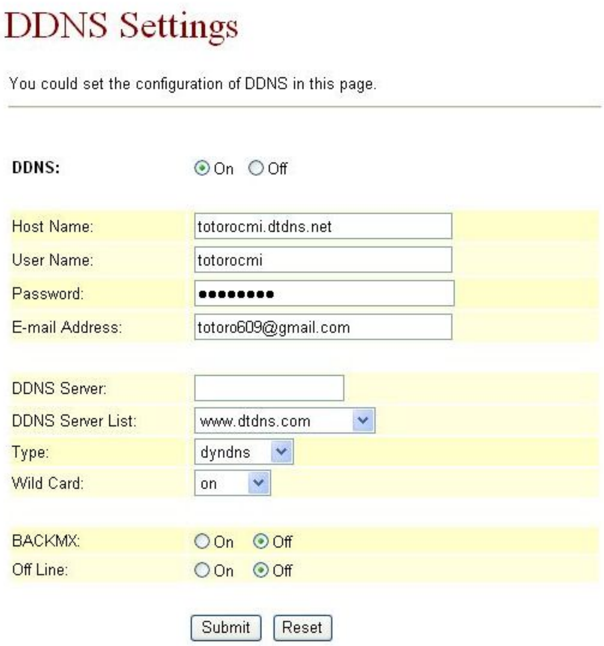
Step 4: Open DtDNS page to view Host Name: totorocmi, and renew IP Address (Figure 4).



(Figure 4)

Example 3: Using WWW.DtDNS.CN

Step 1: On the main page, select [Network Setting→ DDNS Setting], enter [DDNS Settings] page, after revising information (e.g. DDNS: On, Host Name: totorocmi.dtdns.com.cn, User Name: totorocmi, Password: totoro609, E-mail Address: totoro609@hotmail.com, DDNS Server List: dtdns.com.cn, Type: dyndns, Wild Card: on, BACKMX: off, Off Line: off) (See Figure 5), then click [Submit].



(Figure 5)

Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: Open DtDNS page to view the new IP Address of Hostname: totorocm. E.g.: 61.228.184.142 (Figure 6)



(Figure 6)

5.4.4 How to apply DDNS

Please refer file: APN_DDNS

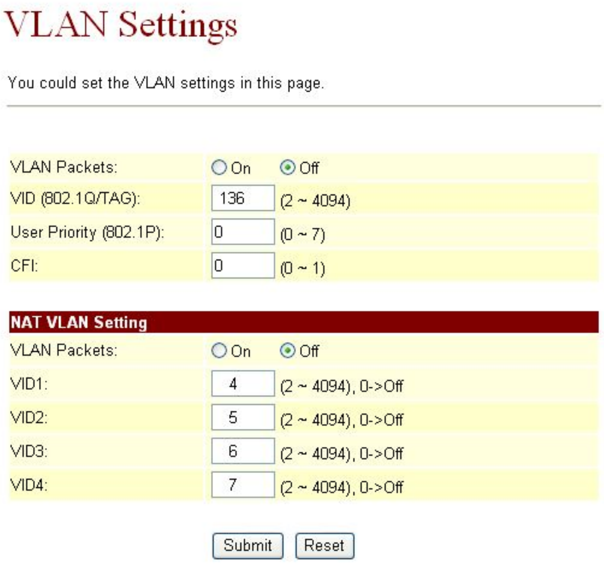
5.5 VLAN Settings

5.5.1 Function

VLAN Settings provide Clinet information of WAN and VLAN information of LAN. Need to work with VLAN Router.

5.5.2 Instruction

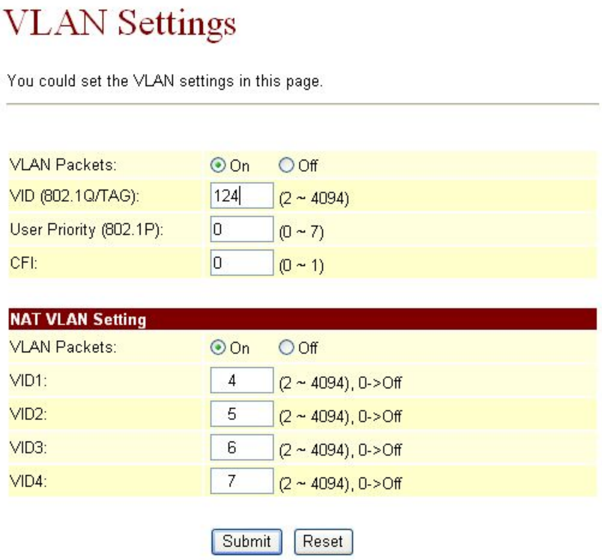
Figure VLAN Setting



VLAN Packets	Default: OFF. When setting ON, receiving VALN Packets function will be started.
VID	Default: 136. Provide Virtual LAN ID (VLAN or VID) for VLAN Server. Data range: 2~4097. Maximum length is 4 bytes.
User Priority	Default: 0. Set the user's priority. Data range: (0~7). Maximum length is 1 bytes.
CFI	Default: 1. To set Canonical Format Indicator (CFI) for one byte. Data Range (0~1) The CFI bit is used to indicate that all MAC addresses present in the MAC data field are in canonical format. This field is interpreted differently depending on whether it is an ethernet-encoded tag header or a SNAP-encoded tag header. In SNAP-encoded TPID the field indicates the presence or absence of the canonical format of addresses. In Ethernet-encoded TPID, it indicates the presence of the Source-Routing Information (RIF) field after the length field. The RIF field indicates routing on ethernet frames.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

5.5.3 Operate Instruction

Step 1: On the main page, select [Network Setting→VLAN Setting], enter [VLAN Setting] page, after revising information (e.g. VLAN Packets: on, VID (802.1Q/TAG): 124, User Priority (802.1P):0, CFGI: 0) (See Figure 1), then click [Submit].



(Figure 1)

Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

5.6 DMZ Setting

5.6.1 Function

DMZ Setting provides DMZ data.

5.6.2 Instruction

Figure DMZ Setting



DMZ	Default: OFF. When setting ON, all ethereal logs will be sent to the IP. (Except SIP related logs.)
DMZ Host IP	Input IP Address information, can be IP or Domain Name. Format: xxx.xxx.xxx.xxx. Length: 15 bytes.
Submit [Button]	Submit the change.

5.6.3 Instruction

Step 1: On the main page, select [Network Setting→DMZ Setting], enter [DMZ Setting] page, after revising tone information (Figure 1), then click [Submit].



(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

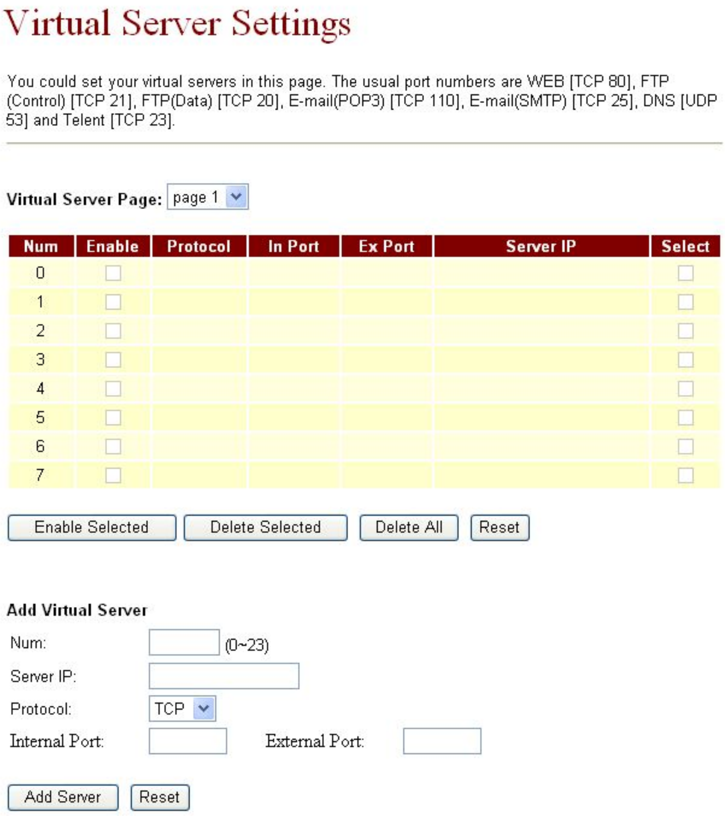
5.7 Virtual Server

5.7.1 Function

Virtual Server Settings provides 24 sets of Virtual Server information.

5.7.2 Instruction

Figure Virtual Server Setting

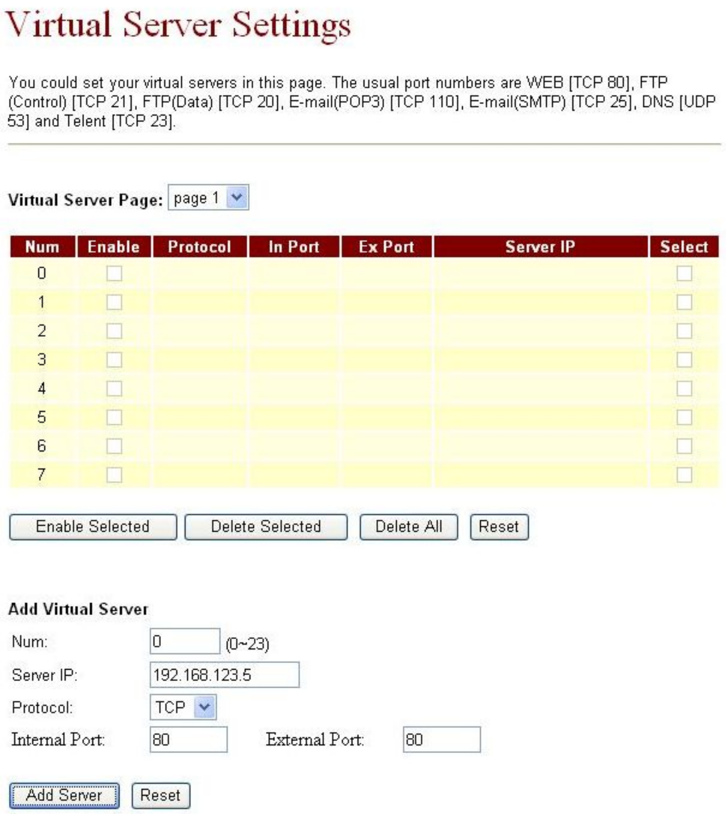


Virtual Server Page	Default: Page 1. Page 1~Page 3 is available.
Num	Show the Number. Setting Rage: (0~23). 24 entries in total.
Enable	Show the status. Default: Disable. When setting Enable, this function will be started.
Protocol	Protocol: use tcp or udp
In Port	Show the address of In Port.
Ex Port	Show the address of Ex Port.
Server IP	Show the Server IP Address.
Select	Default: Disable.
Enable Selected [Button]	Start Enable Selected information.
Delete Selected [Button]	Execute delete selected information.
Delete All [Button]	Delete all information.
Reset [Button]	Clear selected information.
Add Virtual Server	Add new Virtual Server Information.
Num	Input serial number. Data range: (0~23). Maximum length is 2 bytes.

Server IP	Input IP information, can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx. Maximum length is 15 bytes.
Protocol	Default: TCP, use tcp or udp
Internal Port	Display internal port address. Data range: (1~65533). Maximum length is 5 bytes.
External Port	Display internal port address. Data range: (1~65533). Maximum length is 5 bytes.
Add Server [Button]	Add new Add Server information.
Reset [Button]	Clear selected information.

5.7.3 Operate Instruction

Step 1: On the main page, select [Network Setting→Virtual Setting], enter [Virtual Setting] page, after revising information (Num: 0, Server IP: 192.168.123.5, Protocol: TCP, Internal Port: 80, External Port: 80) (See Figure 1), then click [Submit].



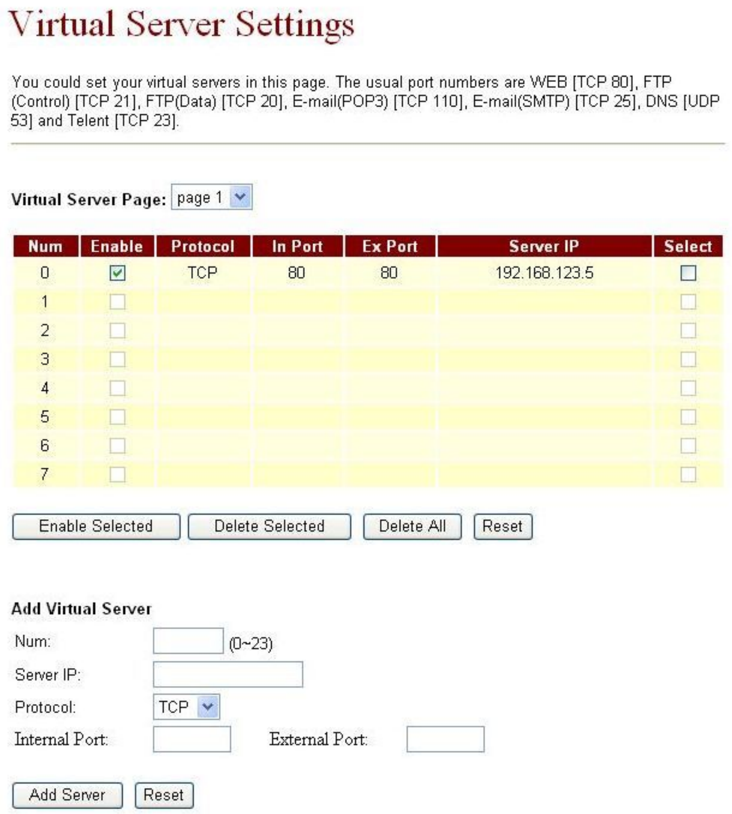
(Figure 1)

Step 2: You have to save and reboot the system or effect the virutal server (Figure 2)



(Figure 2)

Step 3: After adding all information, please save changing (Figure 3).



(Figure 3)

Step 4: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

5.8 PPTP Settings

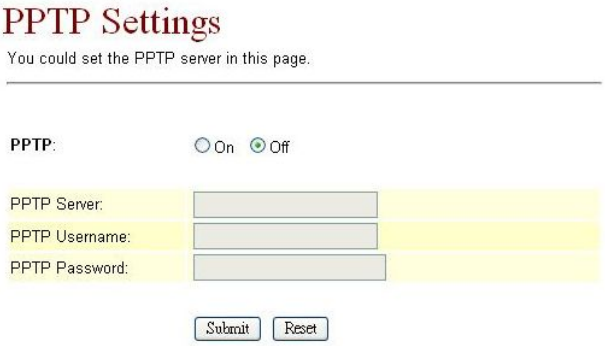
5.8.1 Function

PPTP Settings provide PPTP Server information.

Please use LAN to enter PPTP.

5.8.2 Instruction

Figure PPTP Setting



PPTP	Default: OFF. When setting ON, start PPTP function.
PPTP Server	Input PPTP Server information, can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx. Maximum length is 63 bytes.
PPTP Username	Input PPTP Server user's name, can be numerals or strings. Maximum length is 63 bytes.
PPTP Password	Input PPTP password, can be numerals or strings. Maximum length is 63 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

5.8.3 Operate Instruction

Step 1: On the main page, select [Network Setting→ Network Setting→PPTP Setting], enter [PPTP Setting] page, after revising tone information (Figure 1), then click [Submit].

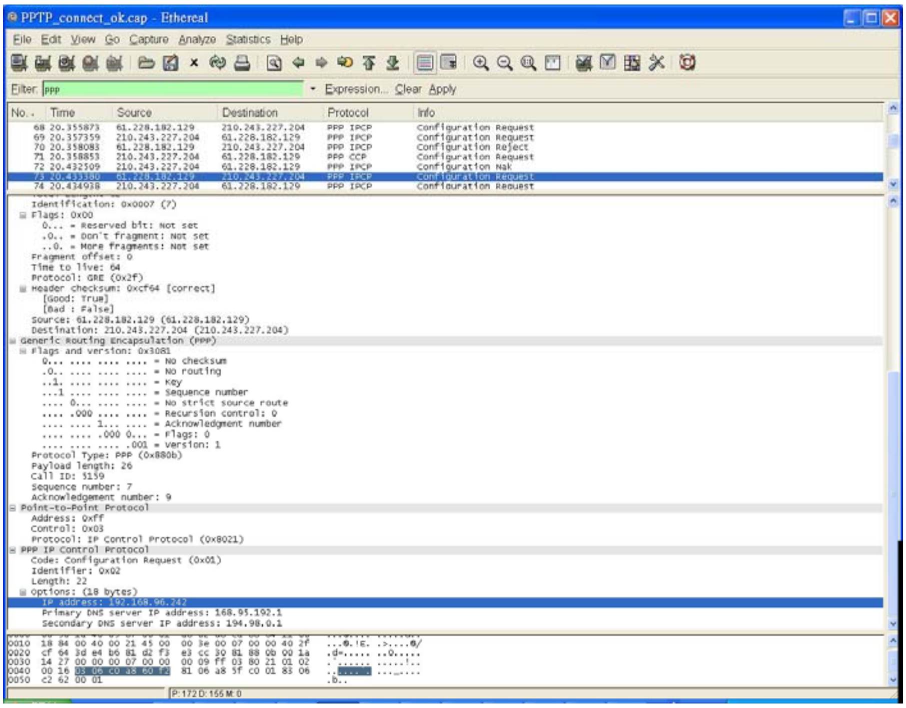


(Figure 1)

Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

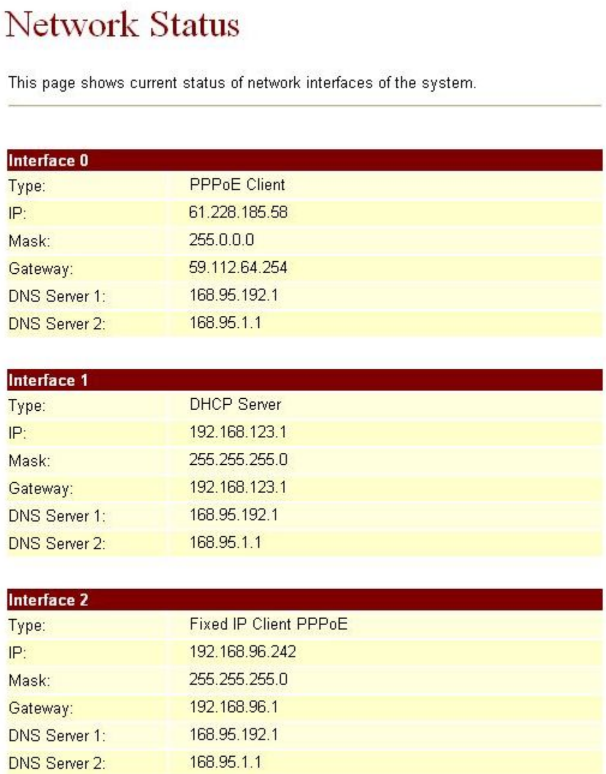
Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: To view [PPTP Server] information though Ethereal (See Figure 2)



(Figure 2)

Step 5: After getting PPTP Server information, and would like to view data information though WEB, LAN Port [http://192.168.123.1:9999] is needed (Figure 3).



Network Status

This page shows current status of network interfaces of the system.

Interface 0	
Type:	PPPoE Client
IP:	61.228.185.58
Mask:	255.0.0.0
Gateway:	59.112.64.254
DNS Server 1:	168.95.192.1
DNS Server 2:	168.95.1.1

Interface 1	
Type:	DHCP Server
IP:	192.168.123.1
Mask:	255.255.255.0
Gateway:	192.168.123.1
DNS Server 1:	168.95.192.1
DNS Server 2:	168.95.1.1

Interface 2	
Type:	Fixed IP Client PPPoE
IP:	192.168.96.242
Mask:	255.255.255.0
Gateway:	192.168.96.1
DNS Server 1:	168.95.192.1
DNS Server 2:	168.95.1.1

(Figure 3)

Chapter 6. SIP Settings

Provides Service Domain，Port Settings，Code Settings，Codec ID Settings, DTMF Settings，RPort Settings，Other Settings.

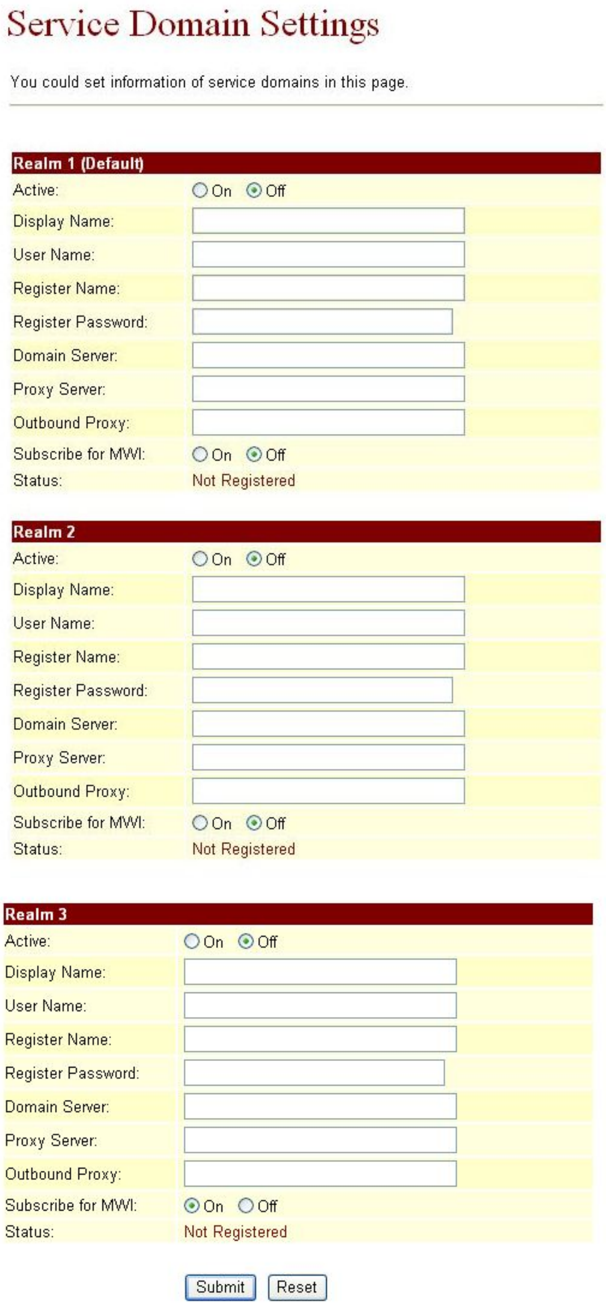
6.1 Service Domain

6.1.1 Function

Service Domain provides 3 entries information and status.

6.1.2 Instruction

Figure　Service Domain Setting

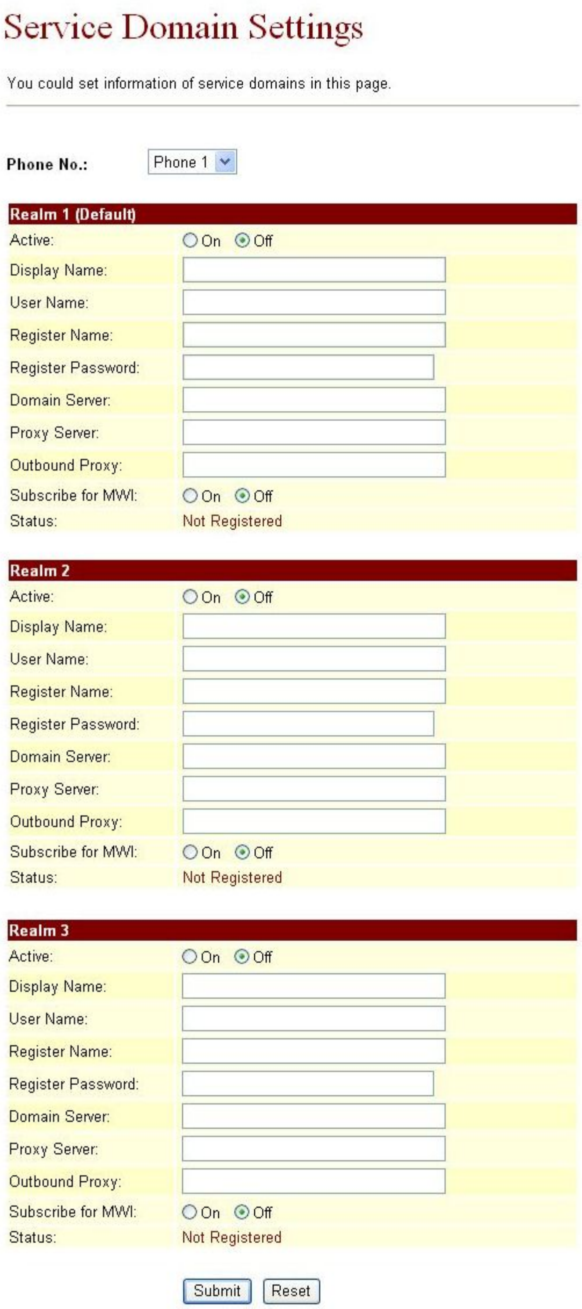


Realm 1 (Default)	Default: Realm1. Please press “1*” and hang up the phone when transfer to the 1st register number.
Active	Default: OFF.　When setting ON, register account will be active.

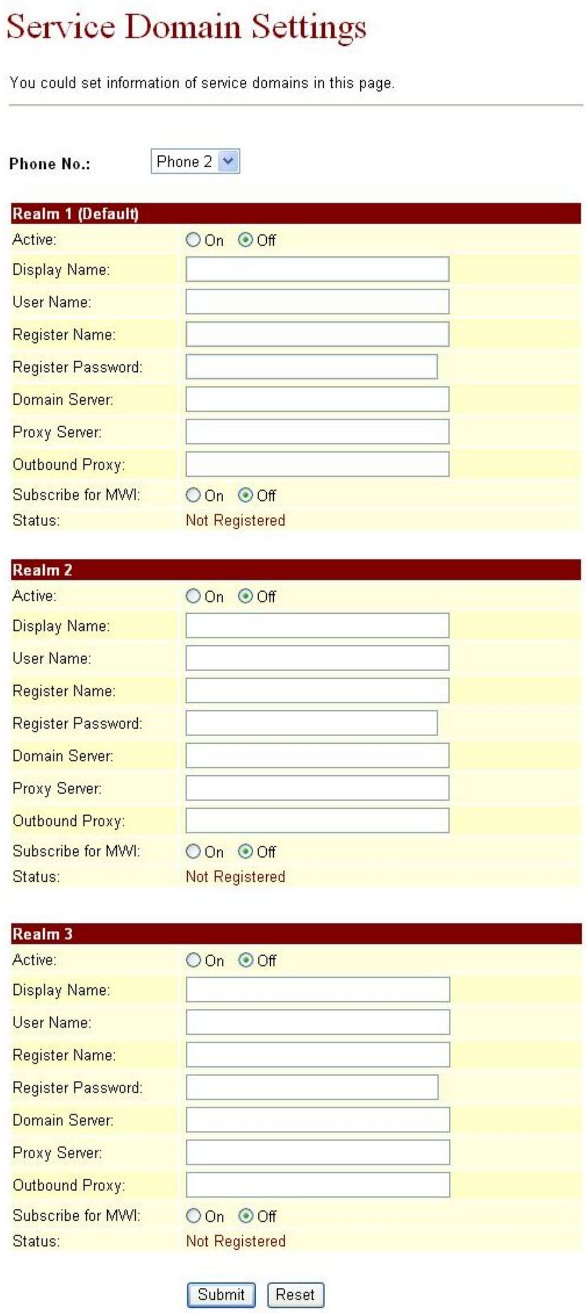
Display Name	Display name. Can be numerals or strings. Maximum length: 31 bytes.
User Name	Display user's name. Can be numerals or strings. Maximum length: 31 bytes.
Register Name	Display Register's name. Can be numerals or strings. Maximum length: 31 bytes.
Register Password	Please input register password, can be numerals or strings. Maximum length: 31 bytes.
Domain Server	Input Domain Server information. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx；Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Proxy Server	Input Proxy Server information. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx；Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Outbound Proxy	Input Outbound Proxy information. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx；Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Subscribe of MWI	Subscribe for MWI function Your Register SIP Proxy server must support this function.
Status	Not Register (failed.) Register (Successfully.)
Realm 2	The 2nd register account. Please press "2*" and hang up the phone when transfer to the 2nd register number.
Active	Default: OFF. When setting ON, register account will be active.
Display Name	Display name. Can be numerals or strings. Maximum length: 31 bytes.
User Name	Display user's name. Can be numerals or strings. Maximum length: 31 bytes.
Register Name	Display Register's name. Can be numerals or strings. Maximum length: 31 bytes.
Register Password	Please input register password, can be numerals or strings. Maximum length: 31 bytes.
Domain Server	Input Domain Server information. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx；Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Proxy Server	Input Proxy Server information. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx；Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Outbound Proxy	Input Outbound Proxy information. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx；Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Subscribe of MWI	Subscribe for MWI function Your Register SIP Proxy server must support this function.
Status	Not Register (failed.) Register (Successfully.)
Realm 3	The 3rd register account. Please press "3*" and hang up the

	phone when transfer to the 3rd register number.
Active	Default: OFF. When setting ON, register account will be active.
Display Name	Display name. Can be numerals or strings. Maximum length: 31 bytes.
User Name	Display user's name. Can be numerals or strings. Maximum length: 31 bytes.
Register Name	Display Register's name. Can be numerals or strings. Maximum length: 31 bytes.
Register Password	Please input register password, can be numerals or strings. Maximum length: 31 bytes.
Domain Server	Input Domain Server information. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx；Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Proxy Server	Input Proxy Server information. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx；Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Outbound Proxy	Input Outbound Proxy information. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx；Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Subscribe of MWI	Subscribe for MWI function Your Register SIP Proxy server must support this function.
Status	Not Register (failed.) Register (Successfully.)

Figure Service Domain Setting (2FXS only)



(Figure 2)



(Figure 3)

Phone No	Default: Phone 1. Please choose mode: Phone 1 or Phone 2.
Realm 1 (Default)	The 1st register account. Please press “1*” and hang up the phone when transfer to the 1st register number.
Active	Default: OFF. When setting ON, register account will be active.
Display Name	Display name. Can be numerals or strings. Maximum length: 31 bytes.
User Name	Display user’s name. Can be numerals or strings. Maximum length: 31 bytes.
Register Name	Display Register’s name. Can be numerals or strings. Maximum length: 31 bytes.
Register Password	Please input register password, can be numerals or strings. Maximum length: 31 bytes.
Domain Server	Input Domain Server information. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx; Maximum length is 63 bytes. If

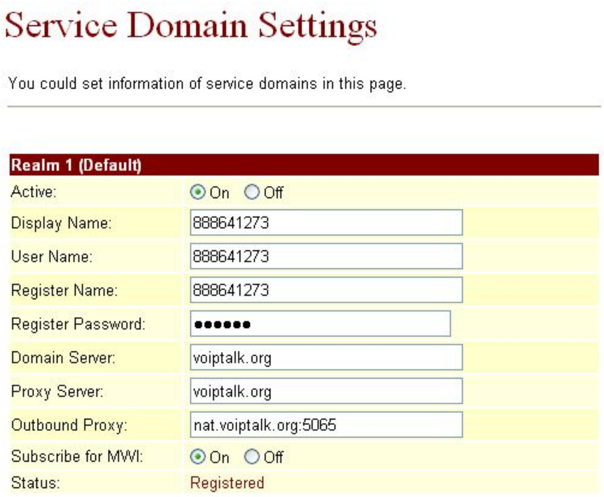
	special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Proxy Server	Input Proxy Server information. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx; Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Outbound Proxy	Input Outbound Proxy information. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx ; Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Subscribe of MWI	Subscribe for MWI function Your Register SIP Proxy server must support this function.
Status	Not Register (failed.) Register (Successfully.)
Realm 2	The 2nd register account. Please press "2*" and hang up the phone when transfer to the 2nd register number.
Active	Default: OFF. When setting ON, register account will be active.
Display Name	Display name. Can be numerals or strings. Maximum length: 31 bytes.
User Name	Display user's name. Can be numerals or strings. Maximum length: 31 bytes.
Register Name	Display Register's name. Can be numerals or strings. Maximum length: 31 bytes.
Register Password	Please input register password, can be numerals or strings. Maximum length: 31 bytes.
Domain Server	Input Domain Server information. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx; Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Proxy Server	Input Proxy Server information. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx; Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Outbound Proxy	Input Outbound Proxy information. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx ; Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Subscribe of MWI	Subscribe for MWI function Your Register SIP Proxy server must support this function.
Status	Not Register (failed.) Register (Successfully.)
Realm 3	The 3rd register account. Please press "3*" and hang up the phone when transfer to the 3rd register number.
Active	Default: OFF. When setting ON, register account will be active.
Display Name	Display name. Can be numerals or strings. Maximum length: 31 bytes.
User Name	Display user's name. Can be numerals or strings. Maximum length: 31 bytes.
Register Name	Display Register's name. Can be numerals or strings. Maximum length: 31 bytes.
Register Password	Please input register password, can be numerals or strings. Maximum length: 31 bytes.
Domain Server	Input Domain Server information. Can be IP Address or Domain

	Name. Format: xxx.xxx.xxx.xxx；Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Proxy Server	Input Proxy Server information. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx；Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Outbound Proxy	Input Outbound Proxy information. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx；Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Subscribe of MWI	Subscribe for MWI function Your Register SIP Proxy server must support this function.
Status	Not Register (failed.) Register (Successfully.)

6.1.3 Instruction

Example 1: Register SIP Proxy Port number: 5065

Step 1: On the main page, select [SIP Settings→ Service Domain], enter [Service Domain Settings] page, after revising the information (e.g.: Active: On，Display Name: 888641273，User Name: 888641273，Register Name: 888641273，Register Password: 1234，Domain Server: voiptalk.org，Proxy Server: voiptalk.org，Outbound Proxy: nat.voiptalk.org:5065，Subscribe of MWI: off) (See Figure 1), then click [Submit].

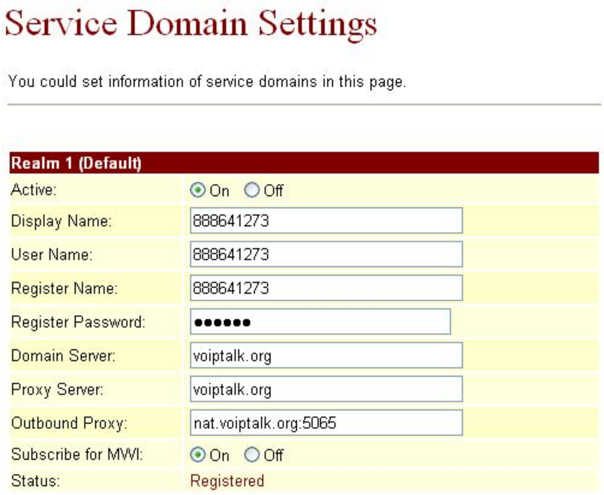


(Figure 1)

Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

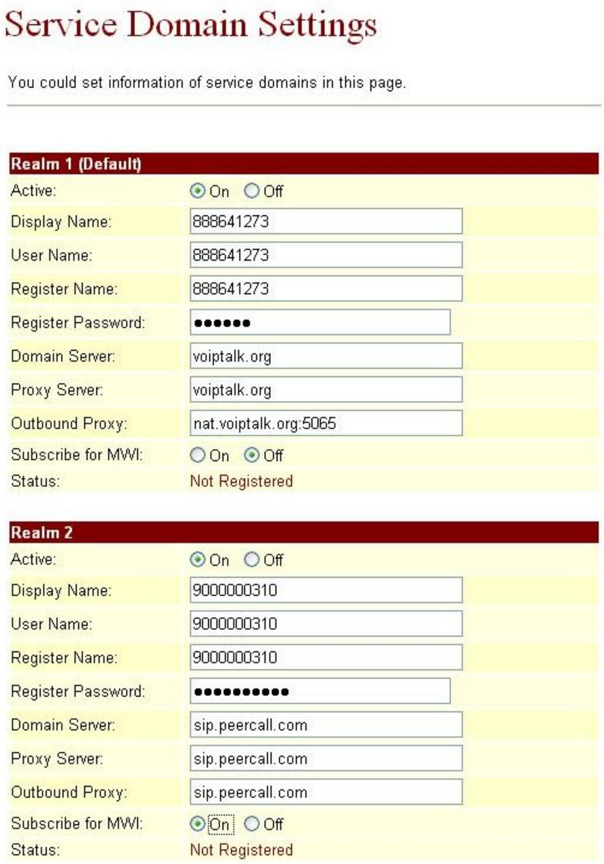
Step: 4: Back page [Service Domain Settings], and notice the register name (Figure 2), then click [Submit]



(Figure 2)

Example 2: Start Subscribe for MWI

Step 1: On the main page, select [SIP Settings→ Service Domain], enter [Service Domain Settings] page, start Subscribe for MWI, (e.g.: Subscribe for MWI: on), then click [Submit] (Figure 3).



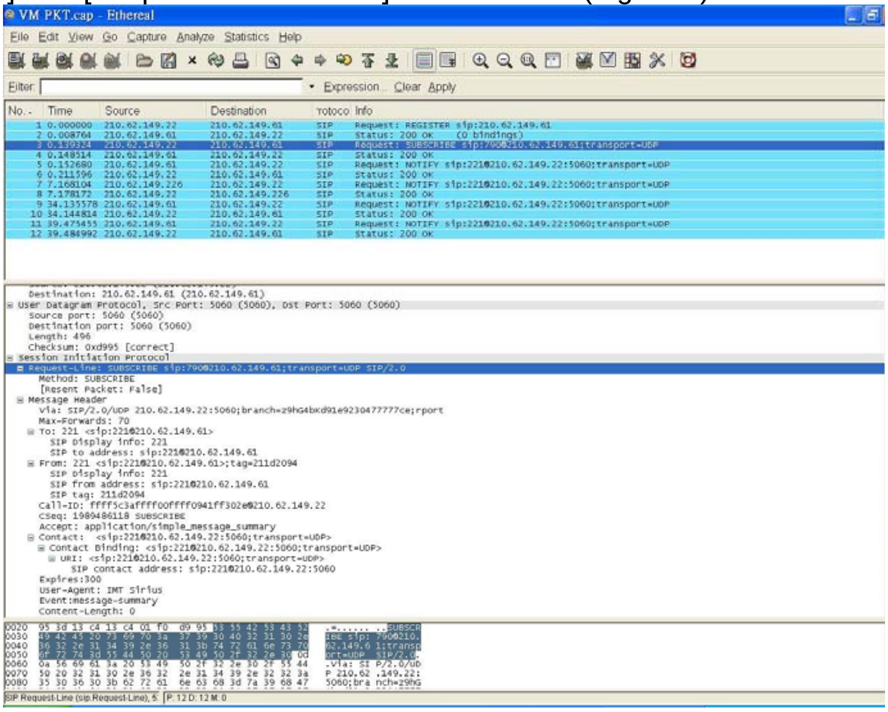
(Figure 3)

Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step: 4. After rebooting the system, and call to another equipment, please check the

[Ethereal] and [Request: Subscribe] information (Figure 4).



(Figure 4)

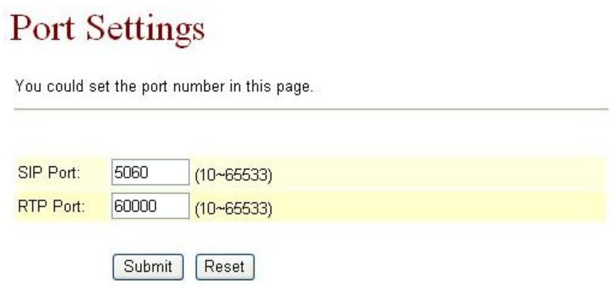
6.2 Port Settings (SIP and RTP Setting)

6.2.1 Function

Port Settings provide SIP and RTP port number information.

6.2.2 Instruction

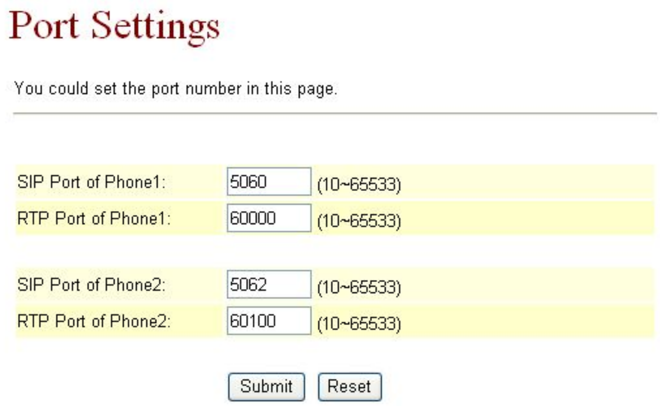
Figure Port Setting



SIP Port	Default: 5060; display the SIP number information. Only numerals are accepted. Data range: (10~65533). Maximum length: 5 bytes.
RTP Port	Default: 60000; display the RTP number information. Only numerals are accepted. Data range: (10~65533). Maximum length: 5 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

(Figure 1)

Figure Port Setting (2FXS only)

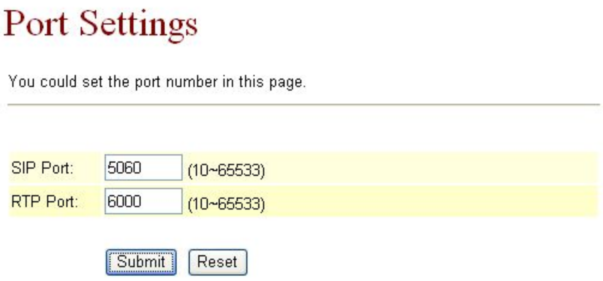


SIP Port of Phone1	Default: 5060; Display the SIP Port of Phone 1. Only numerals are accepted, data range (10~65533). Maximum length: 5 bytes.
RTP Port of Phone1	Default: 60000; Display the RTP Port of Phone 1. Only numerals are accepted, data range (10~65533). Maximum length: 5 bytes.
SIP Port of Phon2	Default: 5062; Display the SIP Port of Phone 2. Only numerals are accepted, data range (10~65533). Maximum length: 5 bytes.
RTP Port of Phon2	Default: 60100; Display the RTP Port of Phone 2. Only numerals are accepted, data range (10~65533). Maximum length: 5 bytes.
Submit [Button]	Submit the change.

Reset [Button]	Clear the change.

6.2.3 Operate Instruction

Step 1: On the main page, select [SIP Settings→ Port Settings], enter [Port Settings] page, after revising the information (e.g.: SIP Port: 5060，RTP Port: 6000) (See Figure 1) then click [Submit].



(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

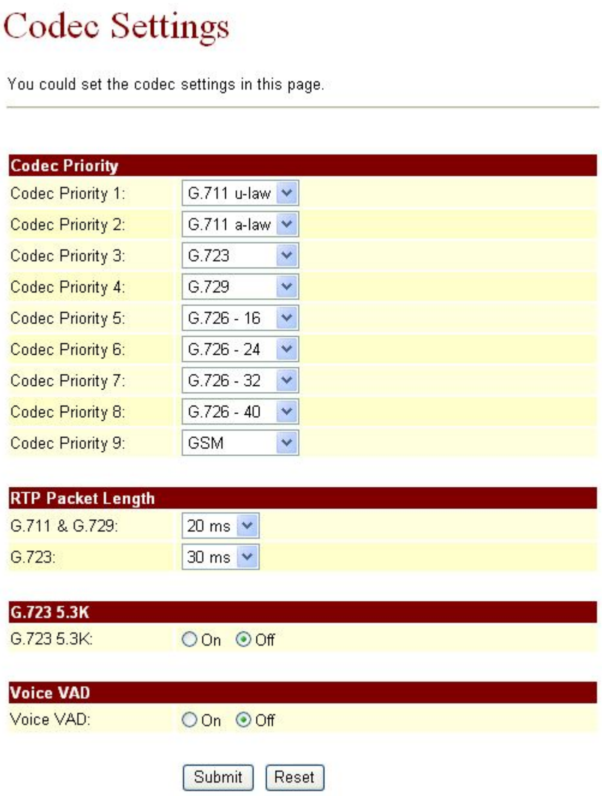
6.3 Codec Settings

6.3.1 Function

Code Settings provide Codec priority, RTP Packet Length, Voice VAD function..**iLBC and G.723 cannot exist at the same time.**

6.3.2 Instruction

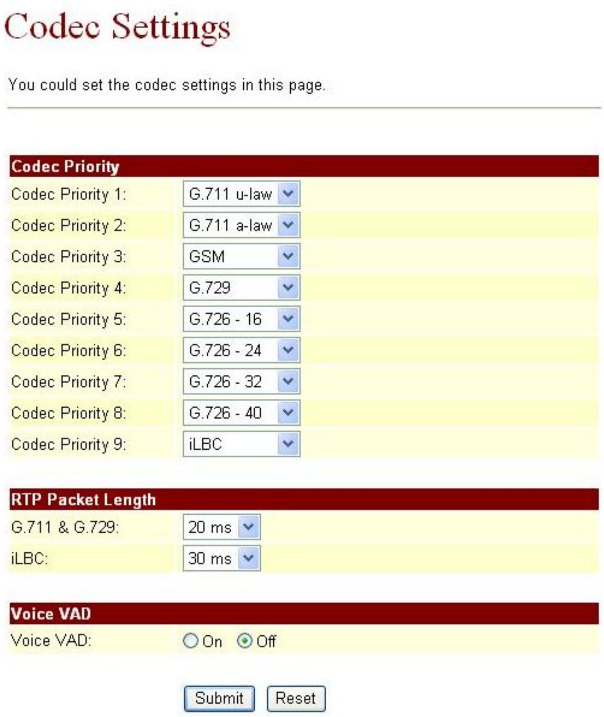
Figure Codec ID Setting



Codec Priority	Set the Codec Priority.
Codec Priority 1	Default: G.711 u-law; Codec Priority 1. Provides No used, G.711u-law，G.711a-law，G.723，G.279，G.726–16，G.726–24，G.726–32，G.726–40，GSM mode.
Codec Priority 2	Default: G.711a-law; Codec Priority 2.
Codec Priority 3	Default: GSM；Codec Priority 3.
Codec Priority 4	Default: G.729；Codec Priority 4.
Codec Priority 5	Default: G.726-16；Codec Priority 5.
Codec Priority 6	Default: G.726-24；Codec Priority 6.
Codec Priority 7	Default: G.726-32；Codec Priority 7.
Codec Priority 8	Default: G.726-40；Codec Priority 8.
Codec Priority 9	Default: GSM；Codec Priority 9.
RTP Packet Length	Provides RTP Packet Length information.
G.711 & G.729	Default: 20 ms；G.711 & G.729 Packet length. Provides 10ms，20ms，30ms，40ms，50ms，60ms，70ms，80ms，90ms mode.
G.723	Default: 30 ms；G.723 Packet Length. Provides 30ms，60ms，90ms mode.

G.723 5.3K	Provide G.723 5.3K information.
Voice VAD	Default: Off ; G.723 5.3K function. When setting ON, 5.3K function will be active. Provides ON and OFF mode.
Voice VAD	Provide Voice VAD information.
Voice VAD	Default: OFF. When setting ON, (Voice Active Detection. VAD) will be active, provides ON and OFF mode.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

Figure Codec ID Setting (iLBC only)

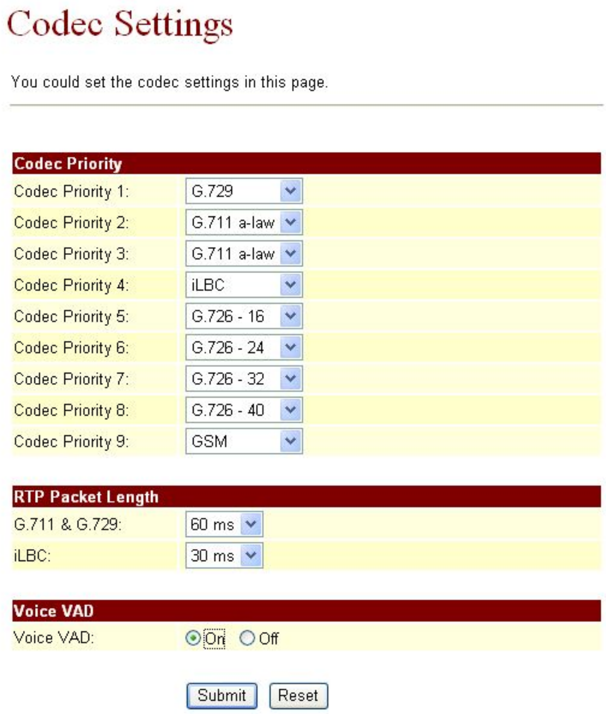


Codec Priority	Provide the Codec Priority.
Codec Priority 1	Default: G.711 u-law ; Codec Priority 1. Provides No used , G.711u-law , G.711a-law , GSM , G.279 , G.726–16 , G.726–24 , G.726–32 , G.726–40 , iLBC mode.
Codec Priority 2	Default: G.711a-law ; Codec Priority 2.
Codec Priority 3	Default: GSM ; Codec Priority 3.
Codec Priority 4	Default: G.729 ; Codec Priority 4.
Codec Priority 5	Default: G.726-16 ; Codec Priority 5.
Codec Priority 6	Default: G.726-24 ; Codec Priority 6.
Codec Priority 7	Default: G.726-32 ; Codec Priority 7.
Codec Priority 8	Default: G.726-40 ; Codec Priority 8.
Codec Priority 9	Default: iLBC ; Codec Priority 9.
RTP Packet Length	Provides RTP Packet Length information.
G.711 & G.729	Default: 20 ms ; G.711 & G.729 Packet Length .Provides 10ms , 20ms , 30ms , 40ms , 50ms , 60ms , 70ms , 80ms , 90ms mode.
iLBC	Default: 30 ms ; iLBC Packet Length; provides 20ms and 30ms mode.
Voice VAD	Provide Voice VAD information.

Voice VAD	Default: OFF. When setting ON, (Voice Active Detection. VAD) will be active, provides ON and OFF mode.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

6.3.3 Operate Instruction

Step 1: On the main page, select [SIP Settings→ Code Settings], enter [Code Settings] page, after revising the information (e.g.: Codec Priority 1: G.729，Priority2: G.711a-law，Priority 3: G.711ulaw，Priority 4: iLBC，Priority 5: G.726-16，Priority 6: G.726-24，Priority 7: G.726 32，Priority 8: G.726 40，Priority 9: GSM，G.711 & G.279: 60ms，iLBC: 30ms，Voice VAD: on) (See Figure 1), click [Submit].



(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: After rebooting, and call to equipment, the new Codec mode will be adopted.

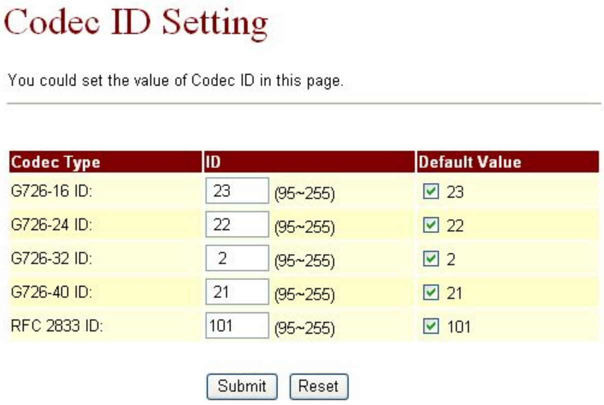
6.4 Codec ID Settings

6.4.1 Function

Codec ID Setting provides G726，RFC2833，iLBC etc. Type ID information.

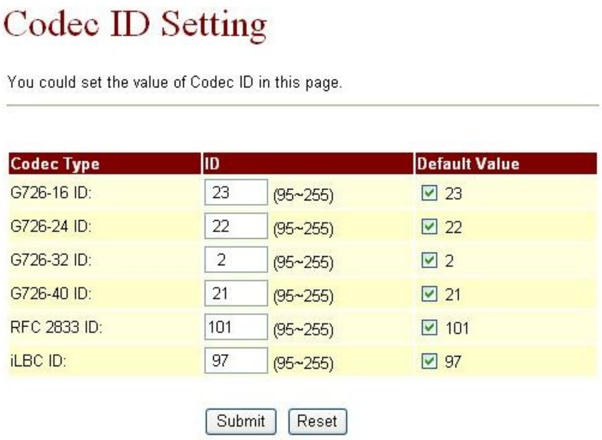
6.4.2 Instruction

Figure Codec ID Setting



Codec Type	Display the value of Codec ID information. Provides G726-16，G726-24，G726-32，G726-40，RFC2833，iLBC information.
G726-16 ID	Display G726-16 ID information.
ID	Display the current ID: 23. When changing the ID, please close (Defaul Value) column. Only numerals are accepted. Data range (95~255). Maximum length: 3 bytes.
Default Value	23.
G726-24 ID	Display G726-24 information.
ID	Default: 22. Only numerals are accepted. Data range (95~255). Maximum length: 3 bytes.
Default Value	97.
G726-32 ID	Display G726-32 information.
ID	Default: 2. Only numerals are accepted. Data range (95~255). Maximum length: 3 bytes.
Default Value	23.
G726-40 ID	Display G726-40 information.
ID	Default: 21. Only numerals are accepted. Data range (95~255). Maximum length: 3 bytes.
Default Value	21.
RFC 2833 ID	Display RFC 2833 information.
ID	Default: 101. Only numerals are accepted. Data range (95~255). Maximum length: 3 bytes.
Default Value	101.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

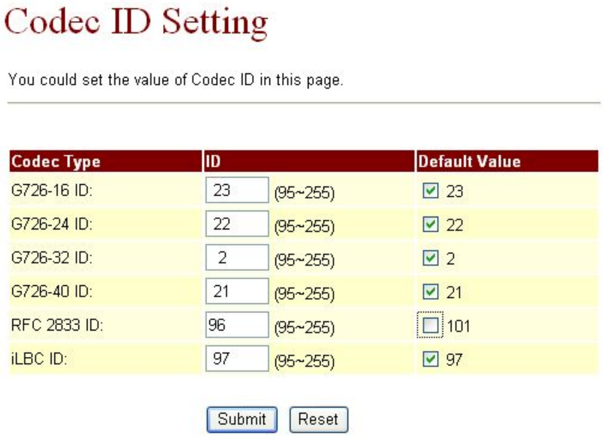
Figure Codec ID Setting (iLBC only)



Codec Type	Display the value of Codec ID information. Provides G726-16，G726-24，G726-32，G726-40，RFC2833，iLBC information.
G726-16 ID	Display G726-16 ID information.
ID	Display the current ID: 23. When changing the ID, please close (Defaul Value) column. Only numerals are accepted. Data range (95~255). Maximum length: 3 bytes.
Default Value	23.
G726-24 ID	Display G726-24 information.
ID	Default: 22. Only numerals are accepted. Data range (95~255). Maximum length: 3 bytes.
Default Value	97.
G726-32 ID	Display G726-32 information.
ID	Default: 2. Only numerals are accepted. Data range (95~255). Maximum length: 3 bytes.
Default Value	23.
G726-40 ID	Display G726-40 information.
ID	Default: 21. Only numerals are accepted. Data range (95~255). Maximum length: 3 bytes.
Default Value	21.
RFC 2833 ID	Display RFC 2833 information.
ID	Default: 101. Only numerals are accepted. Data range (95~255). Maximum length: 3 bytes.
Default Value	101.
iLBC ID	Display iLBC information.
ID	Default: 97. Only numerals are accepted. Data range (95~255). Maximum length: 3 bytes.
Default Value	97.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

6.4.3 Operate Instruction

Step 1: On the main page, select [SIP Settings→Codec ID Settings], enter [Codec ID Settings] page, after revising the information (e.g.: RFC 2833 ID Default Value: Disable，ID: 96) (See Figure 1) click [Submit].



(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

6.5 DTMF Settings

6.5.1 Function

DTMF Setting provides three kinds of DTMF modes: RFC2833，In Band DTFM，Send DTMF SIP Info.

6.5.2 Instruction

Figure DTMF Setting



RFC2833	Default: RFC 2833；Transfer DTMF mode information. Provides RFC2833.
In band DTMF	Transfer DTMF mode information. Provides In Band.
Send DTMF SIP Info	Transfer DTMF mode information. Provides SIP Info.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

6.5.3 Operate Instruction

Example1: RFC2833

Step 1: On the main page, select [SIP Settings→DTMF Settings], enter [DTMF Setting] page, after revising the information (e.g.: RFC2833) (See Figure 1), click [Submit].

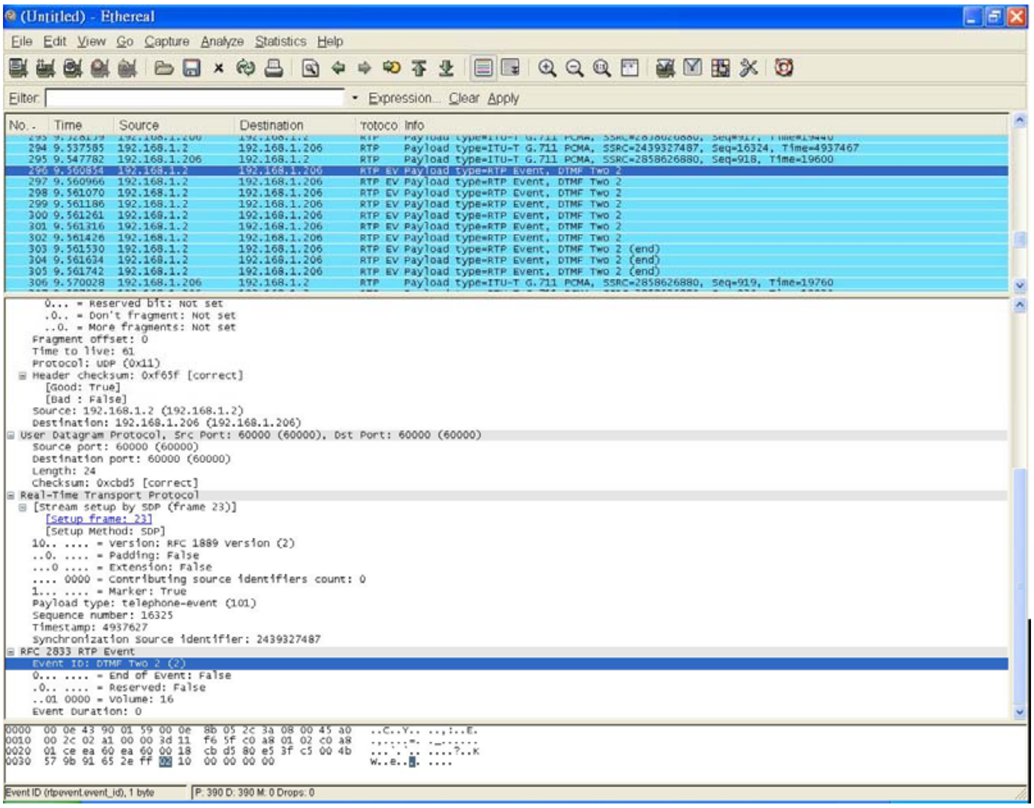


(Figure 1)

Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step: 4 After rebooting, call to another equipment, and press DTMF (e.g.:222); please check [Ethereal] Packet and [RTP EV，Payload Type=RTP Event，DTMF xx] column (See Figure 2)



(Figure 2)

Example2: InBand DTMF

Step 1: On the main page, select [SIP Settings→DTMF Settings], enter [DTMF Setting] page, after revising the information (e.g.: InBand DTMF) (See Figure 3), click [Submit].

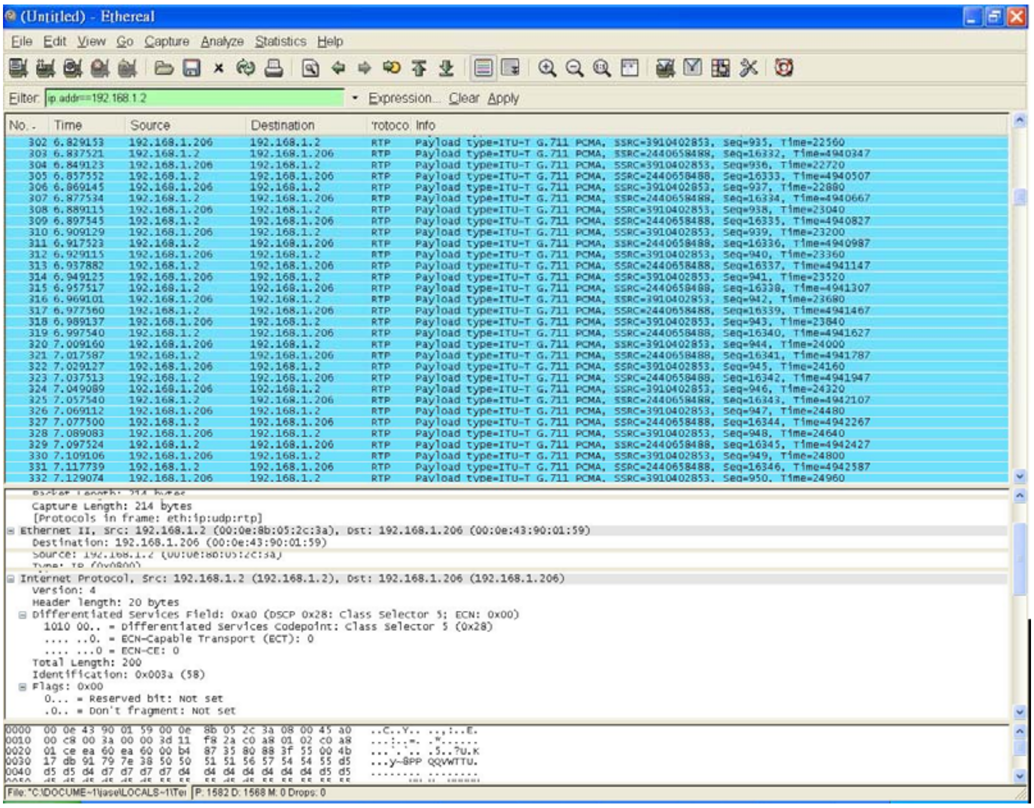


(Figure 3)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

Step 4: After rebooting, call to another equipment, press DTMF (e.g.: 222); please check [Ethereal] Packet; because of [In-Band] mode, nothing will be found in the Packet (Figure 4).



(Figure 4)

Example3: Send DTMF SIP Info

Step 1: On the main page, select [SIP Settings→DTMF Settings], enter [DTMF Setting] page, after revising the information (e.g.: Send DTMF SIP info) (See Figure 5), click [Submit].

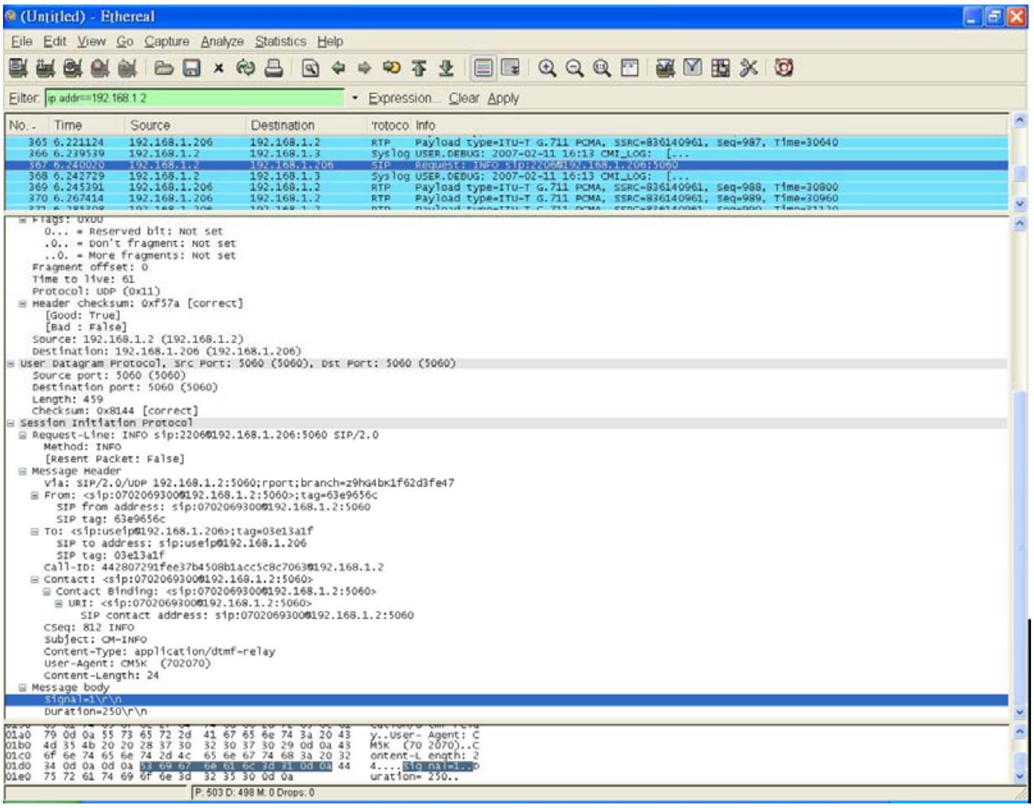


(Figure 5)

Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

Step 4: After rebooting, call to another equipment, and press DTMF (e.g.:111); please check [Ethereal] Packet and [SIP，Request: INFO SIP: xxxx] column (See Figure 6)



(Figure 6)

6.6 RPort Settings

6.6.1 Function

RPort Setting provides RPort Setting.

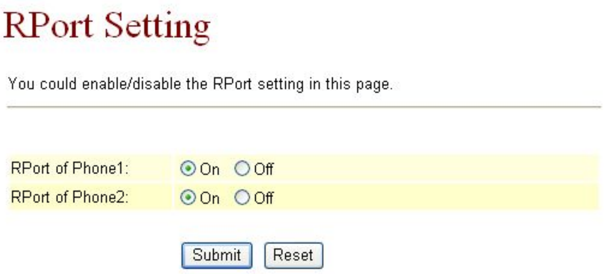
6.6.2 Instruction

Figure RPort Setting



RPort	Default: O. When setting ON, RPort settings will be active. Provides ON and OFF modes
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

Figure RPort Setting (2FXS only)



RPort of Phone 1	Default: On. When setting ON, RPort settings will be active. Provides ON and OFF modes
RPort of Phone 2	Default: On. When setting ON, RPort settings will be active. Provides ON and OFF modes
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

6.6.3 Operate Instruction

Step 1: On the main page, select [SIP Settings→RPort Settings], enter [RPort Setting] page, after revising the information (e.g.: RPort: on) (See Figure 1), click [Submit].



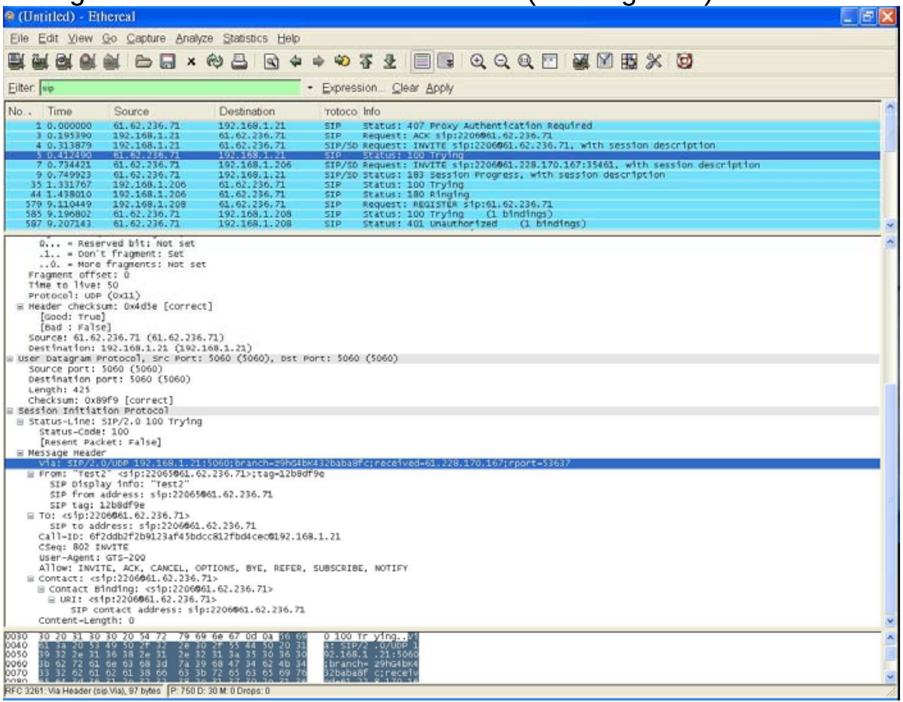
(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the

saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

Step: 4 After rebooting, and call to another equipment, please check [Ethereal] Packet and [Message Hearer] which tag with “received” and “rport” in “Via” column, that is used for recording IP Address and Port Number (See Figure 2).



(Figure 2)

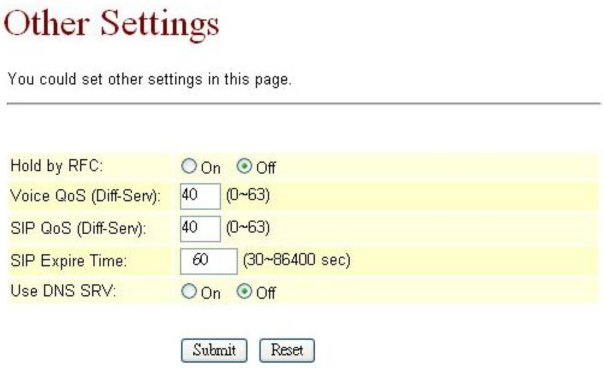
6.7 Other Settings

6.7.1 Function

Other Settings provide the application that is related with SIP, including Hold by RFC、QoS、SIP Expire Time、Use DNS SRV etc..

6.7.2 Instruction

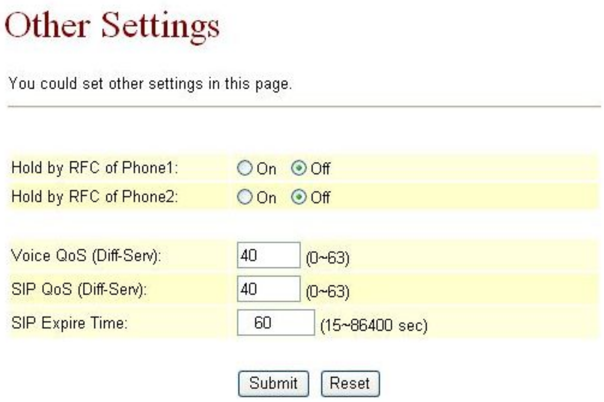
Figure Other Setting



(Figure 1)

Hold by RFC	Default: Off. When setting ON, Hold by RFC function will be active. Provides ON and OFF mode.
Voice QoS (Diff-Serv)	Default: 40; Only numerals are accepted. Data range: (0~63). Maximum length is 2 bytes.
SIP QoS (Diff-Serv)	Default: 40；Only numerals are accepted. Data range: (0~63). Maximum length is 2 bytes.
SIP Expire Time	Default: 60 ; Only numerals are accepted. Data range: (30~86400 sec). Maximum length is 5 bytes.
Use DNS SRV	When setting ON, DNS SRV will be used to search host information. Provides ON and OFF mode.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

Figure Other Setting (2FXS only)



(Figure 2)

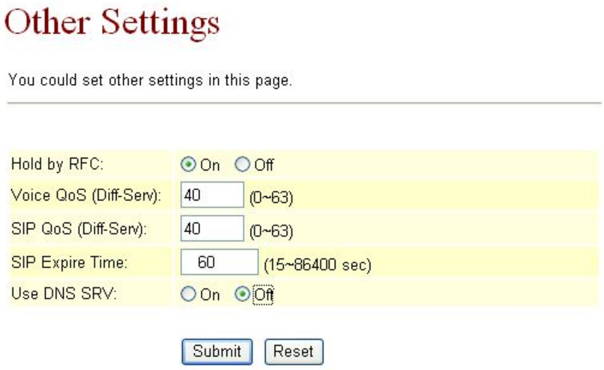
Hold by RFC of Phone1	Default: Off. When setting ON, Hold by RFC of phone 1 will be active. Provides ON and OFF modes.
Hold by RFC of Phone2	Default: Off. When setting ON, Hold by RFC of phone 2 will be active. Provides ON and OFF modes.

Voice QoS (Diff-Serv)	Default: 40；Only numerals are accepted. Data range: (0~63). Maximum length is 2 bytes.
SIP QoS (Diff-Serv)	Default: 40；Only numerals are accepted. Data range: (0~63). Maximum length is 2 bytes.
SIP Expire Time	Default: 60 ; Only numerals are accepted. Data range: (30~86400 sec). Maximum length is 5 bytes.
Use DNS SRV	When setting ON, DNS SRV will be used to search host information. Provides ON and OFF mode.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

6.7.3 Operate Instruction

Example1: Start Hold by RFC

Step 1: On the main page, select [SIP Settings→Other Settings], enter [Other Settings] page, after revising the information (e.g.: Hold by RFC: on) (See Figure 1), click [Submit].

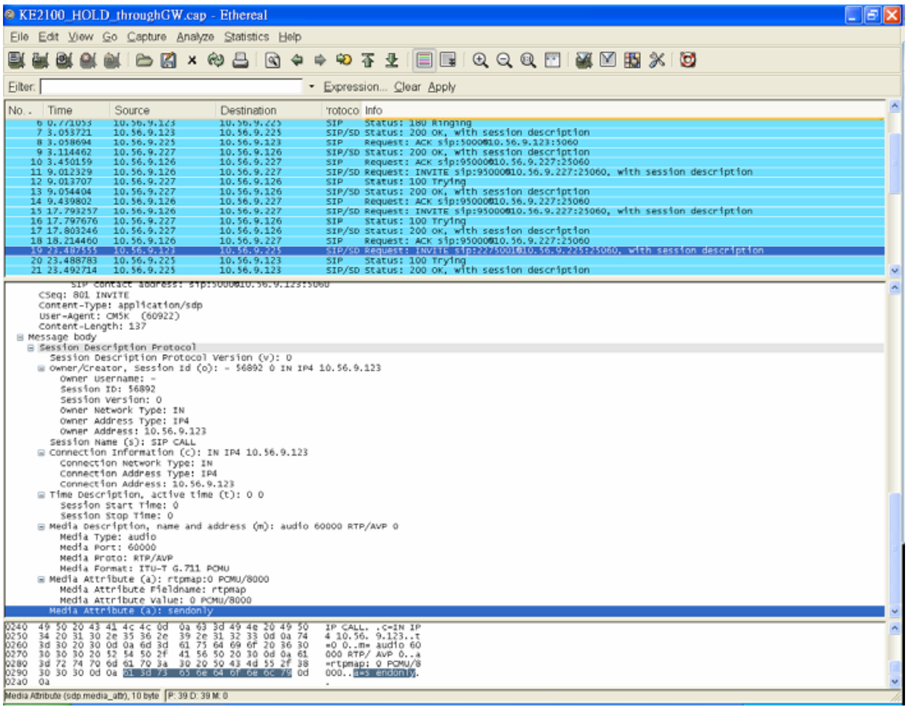


(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

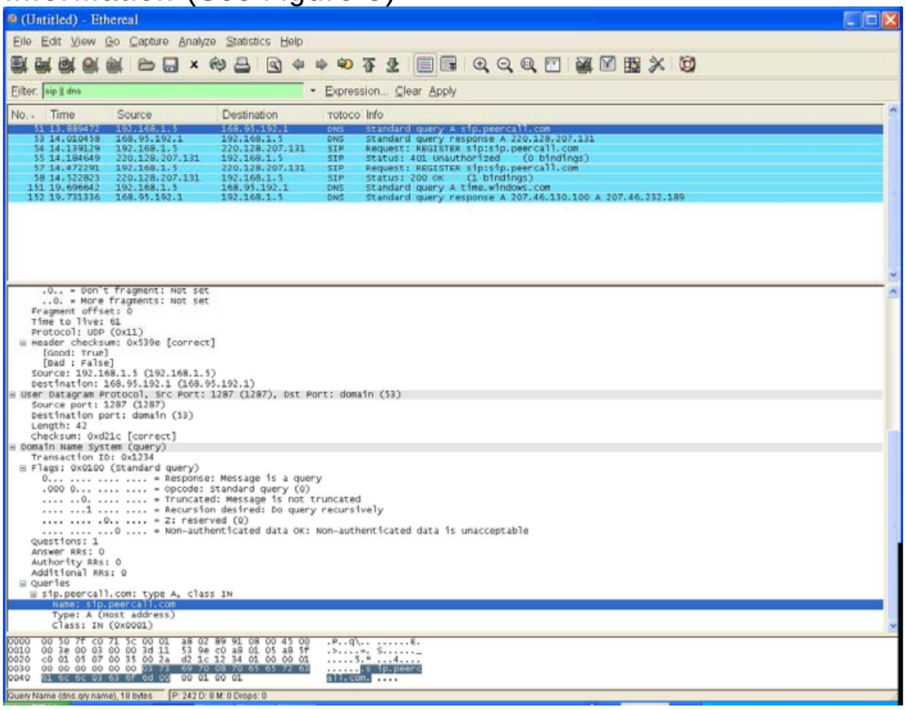
Step 4: After rebooting, and call to another equipment, press [Flash], hold this call. Hold function change to “sendonly” even. Please refer to the following picture, column [[Media Attribute (a): sendonly] (See Figure 2)



(Figure 2)

Example2: Without Use DNS SRV

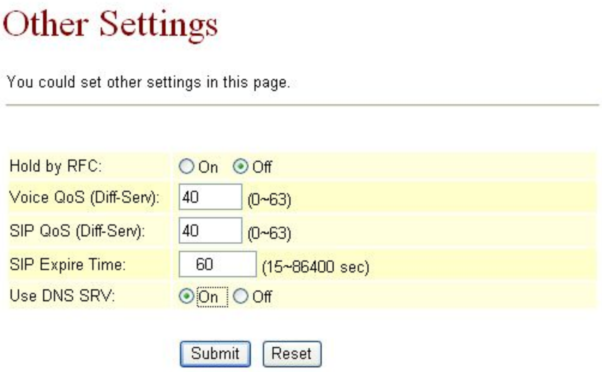
Step 1: Please check [Ethereal] Packet and [Standard query response A 220.128.207.131] Packet information (See Figure 3)



(Figure 3)

Example3: Using User DNS SRV

Step 1: On the main page, select [SIP Settings→Other Settings], enter [Other Settings] page, after revising the information (e.g.: Used DNS SRV: on) (See Figure 4), click [Submit].

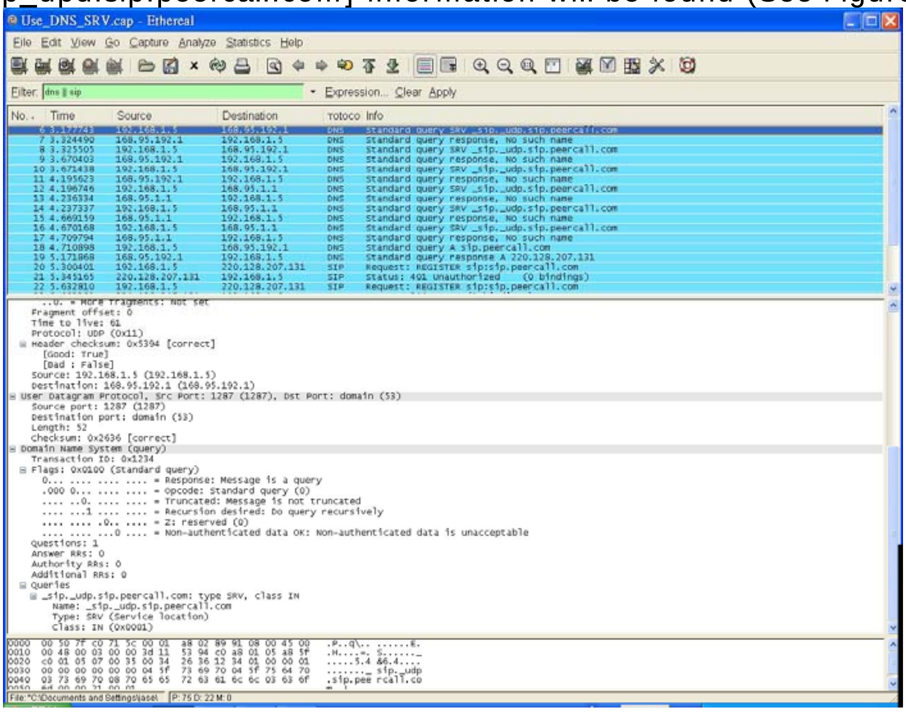


(Figure 4)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: Please check [Ethereal] and [Standard query] column, [Standard query SRV_sip_upd.sip.peercall.com] information will be found (See Figure 5)



(Figure 5)

Chapter 7. NAT Transfer

Provides STUN Settings.

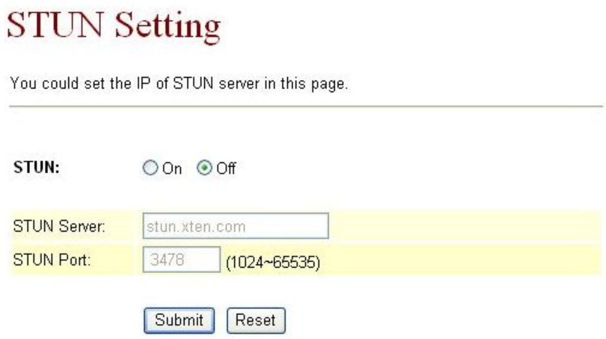
7.1 STUN Settings

7.1.1 Function

STUN Settings could set the IP of STUN Server information.

7.1.2 Instruction

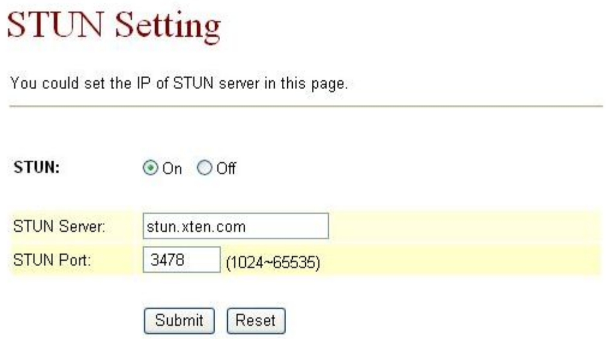
Figure STUN Setting



STUN	Default: Off. When setting ON, STUN will be active.
STUN Server	Default: stun.xten.com； Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx；Maximum length: 63 bytes.
STUN Port	Default: 3478；Data range: (1024~65535)；Maximum length: 5 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

7.1.3 Operate Instruction

Step 1: On the main page, select [NAT Trans.→ STUN Settings], enter [STUN Setting] page, after revising the information (e.g.: STUN: On，STUN Server: stun.xten.com，SUTN Port: 3478) (See Figure 1), click [Submit].

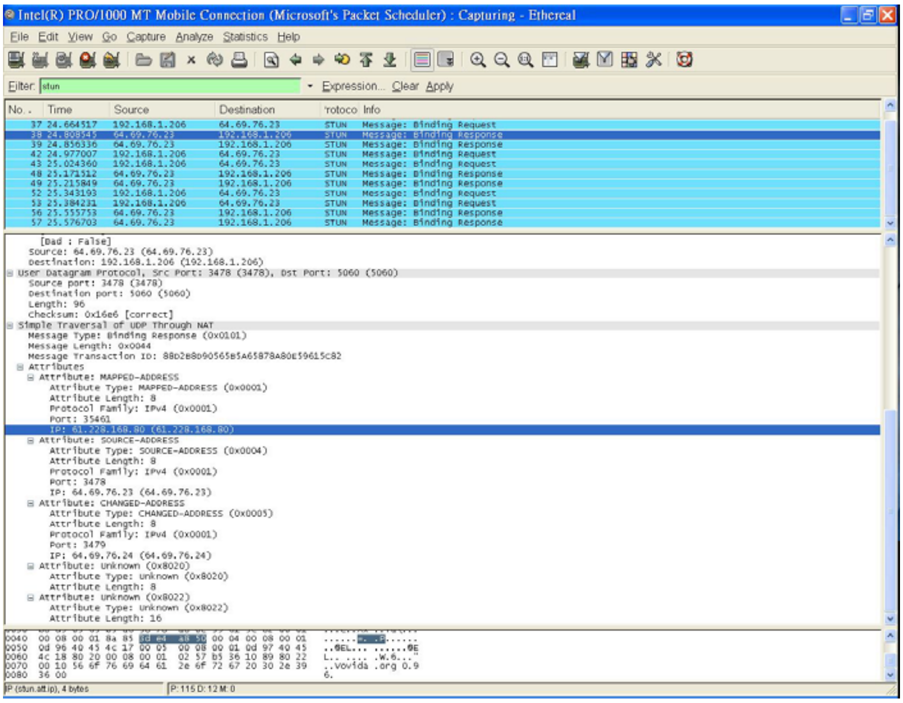


(Figure 1)

Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

Step 4: Please check [Ethereal] Packet, information that sent to STUN Server will be seen (See Figure 2)



(Figure 2)

Chapter 8. Others

Provide Auto Config.，FXS/ FXO/ FXS & FXO Port Setting，MAC Clone Setting，Tones Settings，Advanced Settings information.

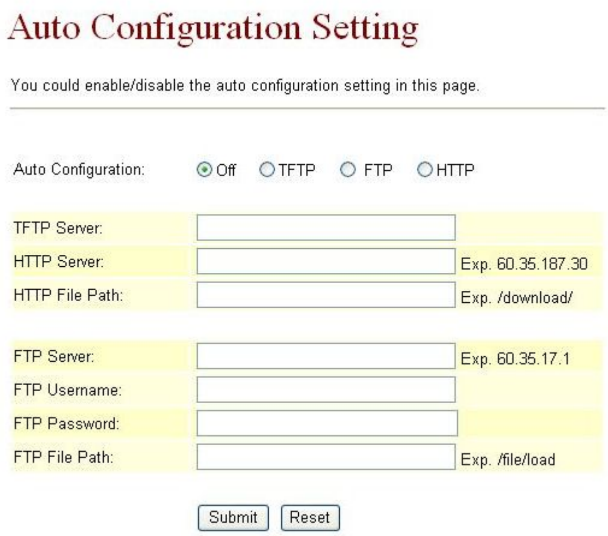
8.1 Auto Config

8.1.1 Function

Auto Configuration Setting allows connecting with the host computer and down loading related information and renew the information by TFTP, FTP or HTTP modes.

8.1.2 Instruction

Figure　Auto Configuration Setting



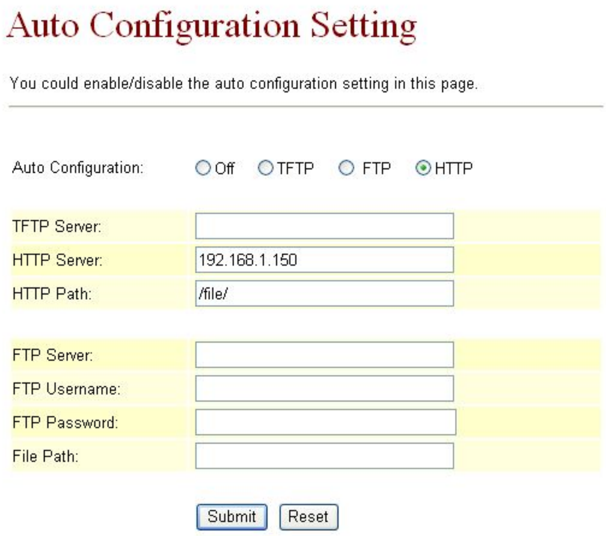
Auto Configuration	Default: Off；When TFTP is setting ON, the version will be renewed automatically by using TFTP, FTP pr HTTP modes.
TFTP Server	Input TFTP Address. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx; Maximum length: 63 bytes.
HTTP Server	Input HTTP Address. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx; Maximum length: 63 bytes.
HTTP Path	Input HTTP Path E.g.: 123/; can be numerals or strings. Maximum length: 63 bytes.
FTP Server	Input FTP Address. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx; Maximum length: 63 bytes.
FTP Username	Input FTP Username. Can be numerals or strings. Maximum length: 63 bytes.
FTP Password	Input FTP Password. Can be numerals or strings. Maximum length: 63 bytes.
File Path	Input File Path. E.g.: 123/; can be numerals or strings. Maximum length: 63 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

8.1.3 Operate Instruction

Example1: Adopt HTTP to renew. (Please build up Auto Configuration file.)

Step 1: On the main page, select [Others→Auto Config], enter [Auto Configuration Setting] page,

after revising the information (e.g.: Auto Configuration: HTTP，HTTP Server: 192.168.1.50，HTTP Path: /file/) (See Figure 1), click [Submit] and save change.

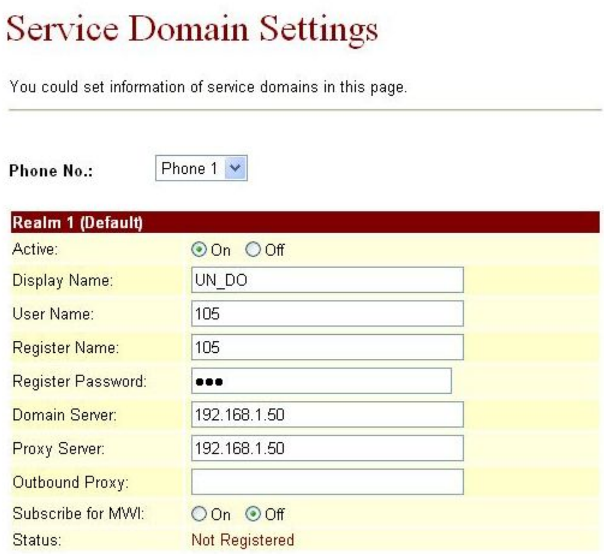


(Figure 1)

Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

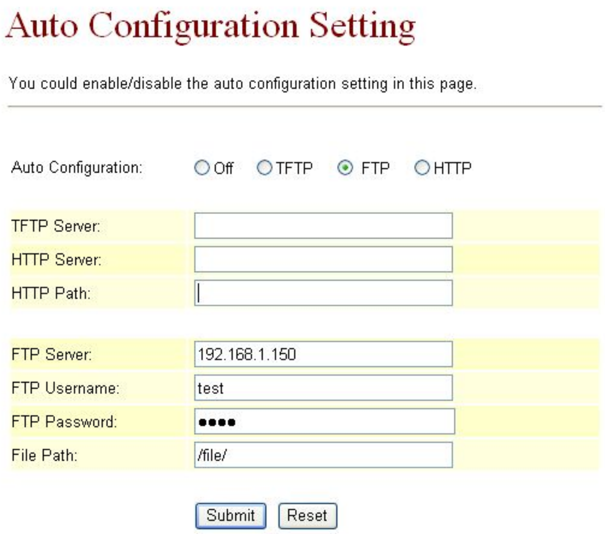
Step 4: After rebooting, it will connect to the file in HTTP Server, and searching the fit information. After renew all information, the system will be rebooting again. Then please login to check it (See Figure 2).



(Figure 2)

Example2: Using FTP to renew. **(Please build up Auto Configuration file.)**

Step 1: On the main page, select [Others→Auto Config], enter [Auto Configuration Setting] page, after revising the information (e.g.: Auto Configuration: FTP，FTP Server192.168.1.150，FTP Username: test，FTP Password: test，File Path: /file/) (See Figure 3), click [Submit] and save change.

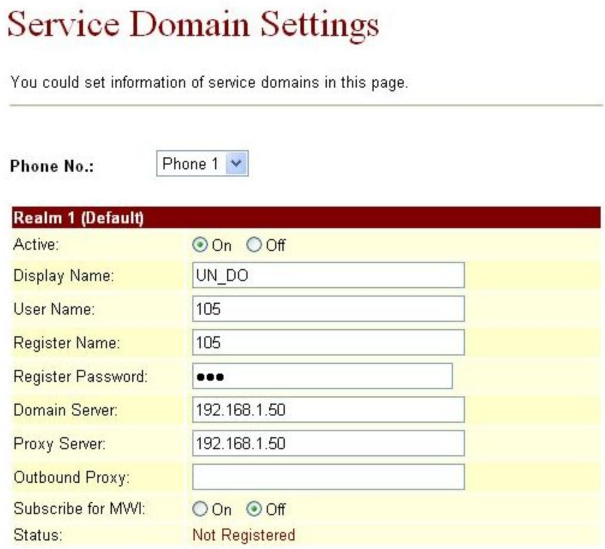


(Figure 3)

Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

Step 4: After rebooting, it will connect to the file in FTP Server, and searching the fit information. After renew all information, the system will be rebooting again. Then please login to check it (See Figure 4)



(Figure 4)

8.1.4 Build Auto Configuration file

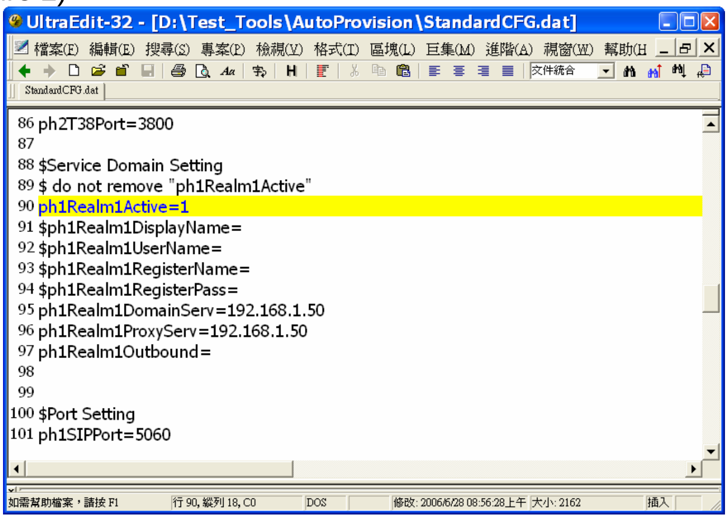
Example1: Build one entry encode formation

Step 1: Open file [MACList.txt], input [MAC Address，Display Name，User Name，Register Name，Register Pass] one by one. (E.g.: 00059e812118，UN_DO，105，105，105), then save (See Figure 1)



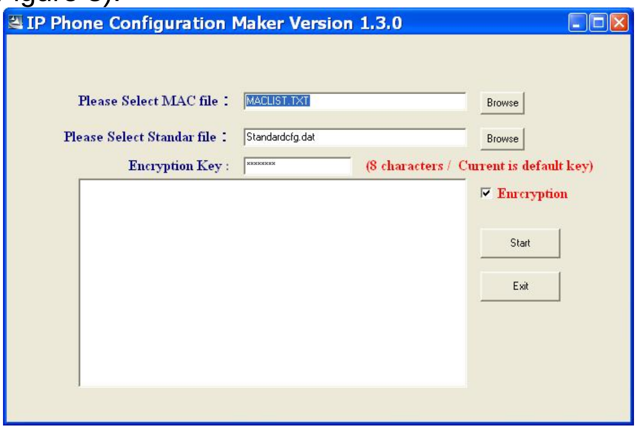
(Figure 1)

Step 2: Open file [StandardCFG.dat], after revising the information, (e.g. ph1Realm1DomainServer= 192.168.1.50，ph1Realm1DomainServer=192.168.1.50), then save (See Figure 2)



(Figure 2)

Step3: Start file [MakeMACF.exe], select [Please Select MAC File: MACList.txt，Please Select Standard File: StandardCFG.dat，Encryption Key: Hello123 (default)，choose: Encryption] press [Start] (See Figure 3).

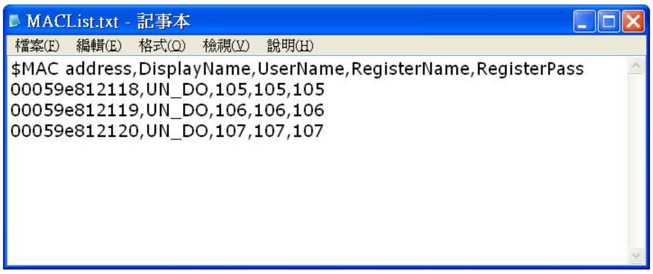


(Figure 3)

Step 4: The encoded file: [00059e812118.dat] will be found, please place it to the appointed path in [HTTP or FTP or TFTP Host Computer]

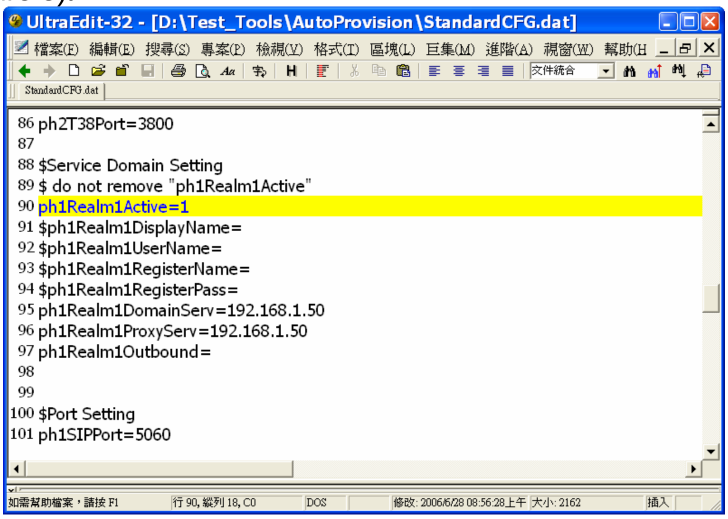
Example2: Build lots entries encode formation

Step1: Open file [MACList.txt], input [MAC Address，Display Name，User Name，Register Name，Register Pass](e.g.: 00059e812118，UN_DO，105，105，105，00059e812119，UN_DO，106，106，106，00059e812120，UN_DO，107，107，107) one by one (See Figure 4).



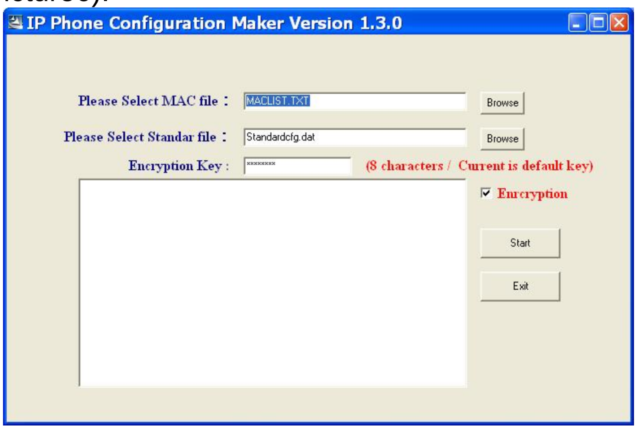
(Figure 4)

Step2: Open file [StandardCFG.dat], after revising the information (E.g.: ph1Realm1DomainServer=192.168.1.50，ph1Realm1DomainServer=192.168.1.50), then save (See Figure 5).



(Figure 5)

Step3: Start file [MakeMACF.exe], select [Please Select MAC File: MACList.txt，Please Select Standard File: StandardCFG.dat，Encryption Key: Hello123 (default)，select Encryption], press Start. (e.g.:Picture6).



(Figure 6)

Step4: [00059e812118.dat，00059e812119.dat，00059e812120.dat] will be found, please place it to the appointed path in [HTTP or FTP or TFTP Host Computer].

8.2 FXS/ FXO & FXS/FXO Port Settings

8.2.1 Function

FXS/ FXO & FXS/ FXO Impedance Setting display the FXS & FXO Impedance of the analog telephone by different countries.

8.2.2 Instruction

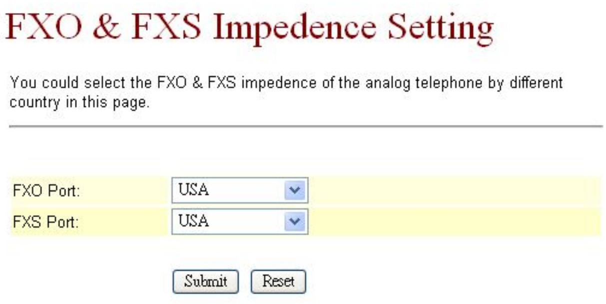
Figure FXS Impedence Setting (FXS only)



(Figure 1)

FXS Port	Default: USA. To select FXS & FXO Port impedance of the analog telephone by different.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

Figure FXO & FXS Impedence Setting (FXS + FXO only)



(Figure 2)

FXS Port	Default: USA. To select FXS & FXO Port impedance of the analog telephone by different.
FXO Port	Default: USA. To select FXS & FXO Port impedance of the analog telephone by different.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

Figure FXO Impedence Setting (Phone + FXO only)

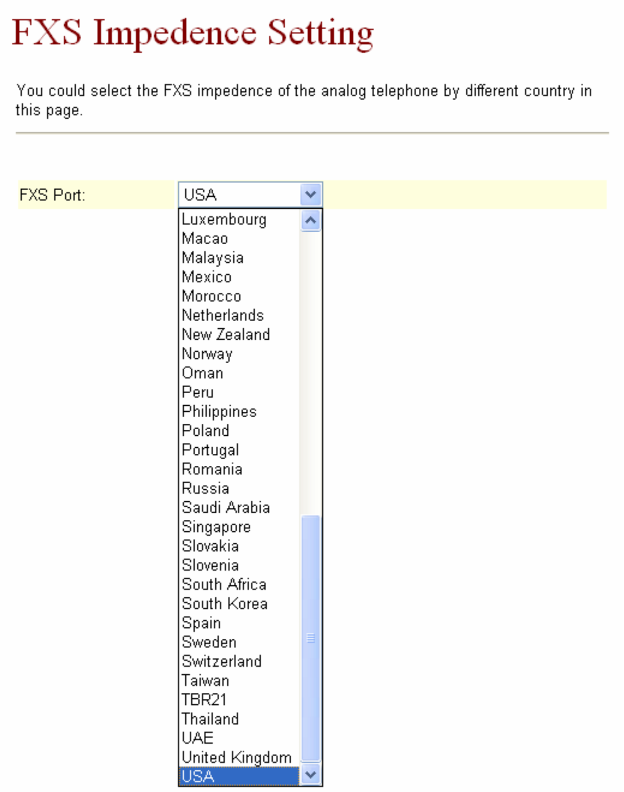


(Figure 3)

FXO Port	Default: USA. To select FXS & FXO Port impedance of the analog telephone by different.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

8.2.3 Operate Instruction

Step 1: On the main page, select [Others→FXO Settings], enter [FXO Impendence Setting] page, after revising the information (e.g.: FXO Port: Thailand) (Figure 1), click [Submit].



(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

8.3 MAC Clone Setting

8.3.1 Function

You could enable / disable the MAC Clone setting.

8.3.2 Instruction

Figure MAC Clone Setting (VoIP Gateway only)



MAC Clone	Default: OFF. When setting ON, Mac Clone function will be active.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

8.3.3 Operate Instruction

Step 1: Please make sure that LAN Mode is NAT Mode, and your PC is connected to LAN Port, and using LAN to enter page: (http://192.168.123.1:9999)

Step 2: On the main page, select [Others→MAC Clone Setting], enter [MAC Clone Setting] page, after revising the information (e.g.: MAC Clone: on) (See Figure 1), click [Submit].



(Figure 1)

Step 3: The following information will be found (See Figure 2) Please click [Submit].



(Figure 2)

Step4: The following information will be found (See Figure 2) Please click [Submit].



(Figure 3)

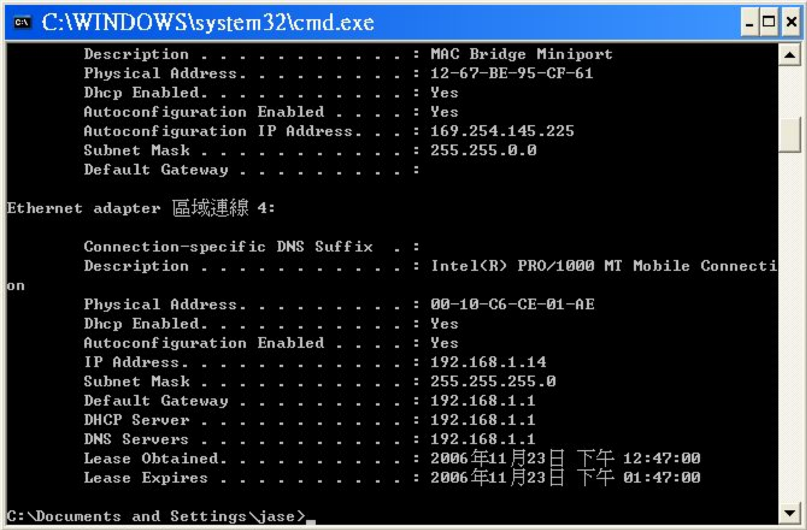
Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving

successfully. And the system will be restarted, please wait for a while.

Example7: Enter the main page, select [Network→WAN Settings], please copy your PC's [MAC] Address to WAN Port.

Example8: Your PC's MAC Address is: Physical Address: 00-10-C6-CE-01-AE (See Figure 4).



(Figure 4)

8.3.4 NOTE!

When setting MAC Clone function, make sure that: LAN Mode: NAT Mode. If Bridge Mode is ON, it cannot work.

If you would like to restore, please act (Restore Default Setting).

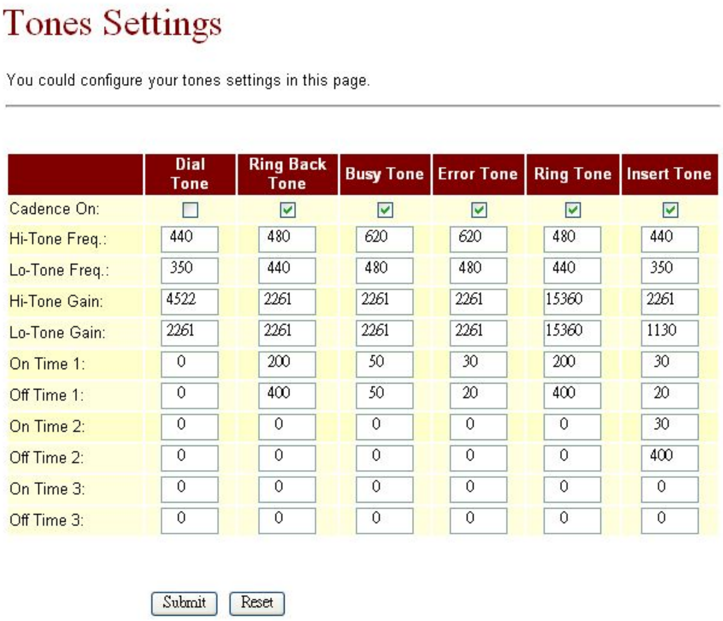
8.4 Tones Settings

8.4.1 Function

Tones Settings provide Dial Tone, Ring Back Tone, Busy Tone, Error Tone, Ring Tone, Inser Tone information. High Tone and Low Tone are available.

8.4.2 Instruction

Figure Tones Setting



Tones Settings

You could configure your tones settings in this page.

	Dial Tone	Ring Back Tone	Busy Tone	Error Tone	Ring Tone	Insert Tone
Cadence On:	☐	☑	☑	☑	☑	☑
Hi-Tone Freq.:	440	480	620	620	480	440
Lo-Tone Freq.:	350	440	480	480	440	350
Hi-Tone Gain:	4522	2261	2261	2261	15360	2261
Lo-Tone Gain:	2261	2261	2261	2261	15360	1130
On Time 1:	0	200	50	30	200	30
Off Time 1:	0	400	50	20	400	20
On Time 2:	0	0	0	0	0	30
Off Time 2:	0	0	0	0	0	400
On Time 3:	0	0	0	0	0	0
Off Time 3:	0	0	0	0	0	0

Submit Reset

Dial Tone	Setting the Dial Tone information.
Cadence On	Default: Disable.
Hi-Tone Freq	Default: 440; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Lo-Tone Freq	Default: 350 ; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Hi-Tone Gain	Default: 4522 ; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Lo-Tone Gain	Default: 2261 ; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
On Time 1	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Off Time 1	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
On Time 2	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Off Time 2	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
On Time 3	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Off Time 3	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Ring Back Tone	Setting the Ring Back Tone information.
Cadence On	Default: Enable.
Hi-Tone Freq	Default: 480 ; Only numerals are acceptable. Data range:

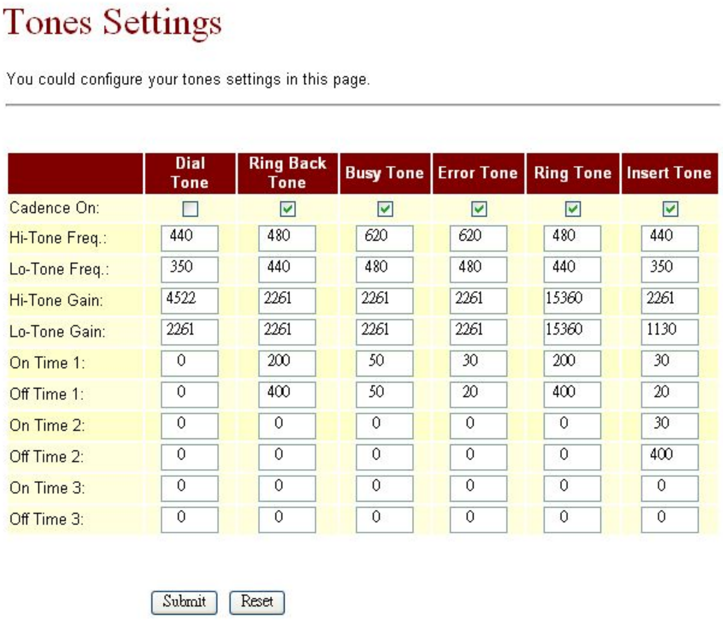
	(0~99999). Maximum length: 5 bytes.
Lo-Tone Freq	Default: 440 ; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Hi-Tone Gain	Default: 2261 ; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Lo-Tone Gain	Default: 2261 ; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
On Time 1	Default: 200; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Off Time 1	Default: 400; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
On Time 2	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Off Time 2	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
On Time 3	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Off Time 3	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Busy Tone	Setting the Busy Tone information.
Cadence On	Default: Enable.
Hi-Tone Freq	Default: 620 ; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Lo-Tone Freq	Default: 480 ; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Hi-Tone Gain	Default: 2261 ; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Lo-Tone Gain	Default: 2261 ; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
On Time 1	Default: 50; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Off Time 1	Default: 50; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
On Time 2	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Off Time 2	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
On Time 3	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Off Time 3	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Error Tone	Setting the Error Tone information.
Cadence On	Default: Enable.
Hi-Tone Freq	Default: 620 ; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Lo-Tone Freq	Default: 480 ; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Hi-Tone Gain	Default: 2261 ; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Lo-Tone Gain	Default: 2261 ; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.

On Time 1	Default: 30; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Off Time 1	Default: 20; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
On Time 2	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Off Time 2	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
On Time 3	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Off Time 3	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Ring Tone	Setting the Ring Tone information.
Cadence On	Default: Enable.
Hi-Tone Freq	Default: 480 ; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Lo-Tone Freq	Default: 440 ; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Hi-Tone Gain	Default: 15360 ; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Lo-Tone Gain	Default: 15360 ; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
On Time 1	Default: 200; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Off Time 1	Default: 400; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes..
On Time 2	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Off Time 2	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes..
On Time 3	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Off Time 3	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Insert Tone	Setting the Insert Tone information.
Cadence On	Default: Enable.
Hi-Tone Freq	Default: 440 ; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Lo-Tone Freq	Default: 350 ; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Hi-Tone Gain	Default: 2261 ; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Lo-Tone Gain	Default: 1130 ; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
On Time 1	Default: 30; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Off Time 1	Default: 20; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
On Time 2	Default: 3; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Off Time 2	Default: 400; Only numerals are acceptable. Data range:

	(0~99999). Maximum length: 5 bytes.
On Time 3	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Off Time 3	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

8.4.3 Operate Instruction

Step 1: On the main page, select [Others→Tones Settings], enter [Tones Settings] page, after revising the information, click [Submit] (See Figure 1).


Tones Settings

You could configure your tones settings in this page.

	Dial Tone	Ring Back Tone	Busy Tone	Error Tone	Ring Tone	Insert Tone
Cadence On:	☐	☑	☑	☑	☑	☑
Hi-Tone Freq.:	440	480	620	620	480	440
Lo-Tone Freq.:	350	440	480	480	440	350
Hi-Tone Gain:	4522	2261	2261	2261	15360	2261
Lo-Tone Gain:	2261	2261	2261	2261	15360	1130
On Time 1:	0	200	50	30	200	30
Off Time 1:	0	400	50	20	400	20
On Time 2:	0	0	0	0	0	30
Off Time 2:	0	0	0	0	0	400
On Time 3:	0	0	0	0	0	0
Off Time 3:	0	0	0	0	0	0

Submit Reset

(Figure 1)

Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

Step 4: Call to another equipment, the frequency of Ring Back Tone changes.

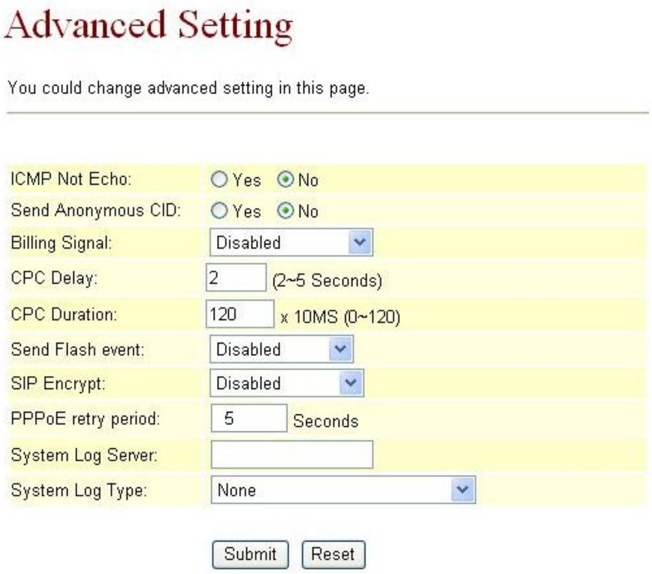
8.5 Advanced Settings

8.5.1 Function

Advanced Setting provides ICMP not Echo, Send Anonymous CID, Billing Signal CPC Delay, CPC Duration, Send Flash event, SIP Encrypt PPPoE retry period System Log Server functions.

8.5.2 Instruction

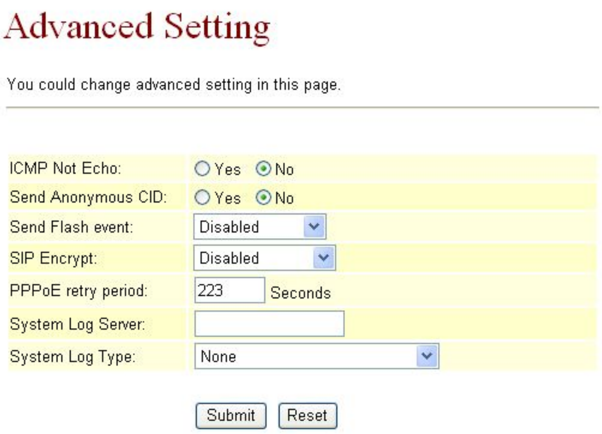
Figure Adavaced Setting (VoIP Gateway only)



ICMP Not Echo	Default: No. when setting YES, ICMP Not Echo function will be active.
Send Anonymous CID	Default: No. When setting YES, send out CID cannot be found by another person. Your Register Proxy server must support this function.
Billing Signal	Default: Disable. Provides Disable ， Polarity Reversal ， Tone_12K，Tone_16K mode.
CPC Delay	Default: 2(sec)；setting how long it takes for the voltage reaches 0V when receiving hang up signal. Only numbers are accepted, data range (2~5 sec.), maximum length: 1 byte.
CPC Duration	Default: 120ms. Setting how long it takes for the voltage reaches 0V, data range (0~120), maximum length: 3 bytes.
Send Flash event	Default: Disable. Provides Disable，DTMF Event，SIP Infomode.
SIP Encrypt	Default: Disable. Provides Disable ， INFINET ， AVS ， WALKERSUN1，WALKERSUN2 modes. Your Register Proxy server must support this function.
PPPoE retry period	Default: 223 (Seconds)； setting how long it takes for PPPoE retry when PPPoE failed. Only numbers are accepted, data range: (5~255), maximum length: 3 bytes.
System Log Server	Display the system Log Server information, send System Log to the Server. Can be IP Address or Domain Name Address. Format: xxx.xxx.xxx.xxx; Maximum length: 63 bytes.
System Log Type	Default: None. Provides None，Call Statistics，General Debug，Call Statistics + General Debug，SIP Debug，Call Statistics + SIP

	Debug，General Debug + SIP Debug，All mode.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

Figure Adavaced Setting (Phone & Phone + FXO Gateway only)

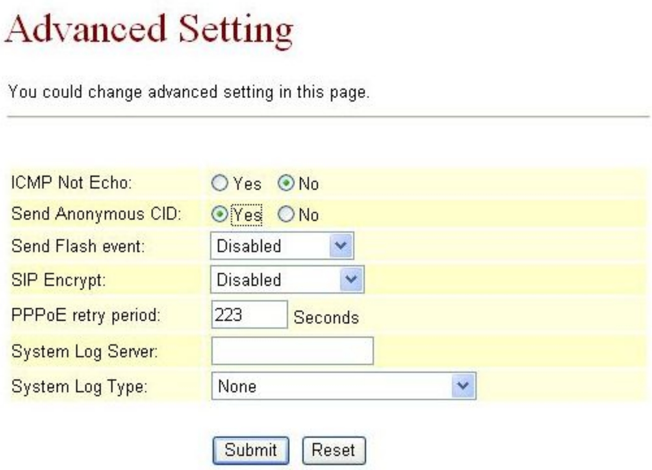


ICMP Not Echo	Default: No. when setting YES, ICMP Not Echo function will be active.
Send Anonymous CID	Default: No. When setting YES, send out CID cannot be found by another person. Your Register Proxy server must support this function.
Send Flash event	Default: Disable. Provides Disable，DTMF Event，SIP Info modes.
SIP Encrypt	Default: Disable. Provides Disable，INFINET，AVS，WALKERSUN1，WALKERSUN2 modes. Your Register Proxy server must support this function.
PPPoE retry period	Default: 223 (Seconds)； setting how long it takes for PPPoE retry when PPPoE failed. Only numbers are accepted, data range: (5~255), maximum length: 3 bytes.
System Log Server	Display the system Log Server information, send System Log to the Server. Can be IP Address or Domain Name Address. Format: xxx.xxx.xxx.xxx; Maximum length: 63 bytes.
System Log Type	Default: None. Provides None，Call Statistics，General Debug，Call Statistics + General Debug，SIP Debug，Call Statistics + SIP Debug，General Debug + SIP Debug，All mode.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

8.5.3 Operate Instruction

Example1: Send Anonymous CID

Step 1: On the main page, select [Others→Advanced Settings], enter [Advanced Setting] page, after start it, click [Submit] (See Figure 1).

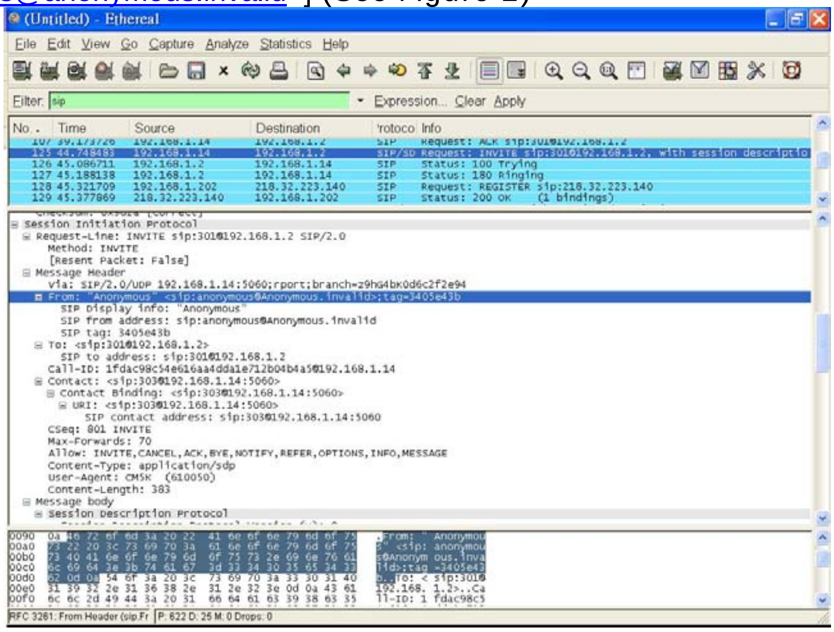


(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

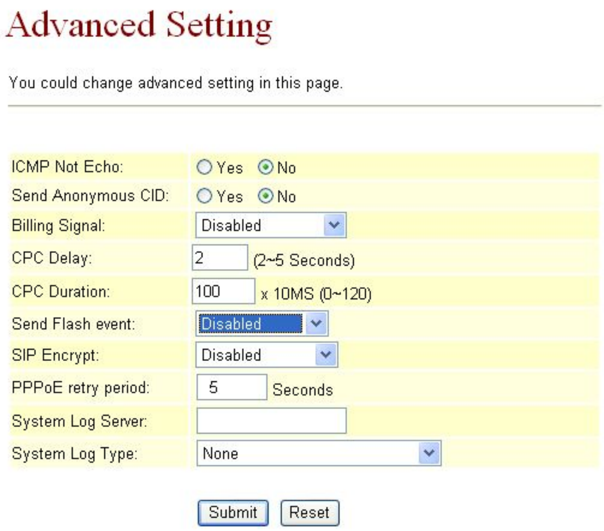
Step 4: After rebooting, and call to another equipment, dial out CID cannot be found. Please check [Ethereal] Packet and column [From: “Anonymous” <sip: anonymous@anonymous.invalid>] (See Figure 2)



(Figure 2)

Example2: CPC

Step 1: On the main page, select [Others→Advanced Settings], enter [Advanced Setting] page, after setting CPS, click [Submit] (See Figure 3)



(Figure 3)

Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

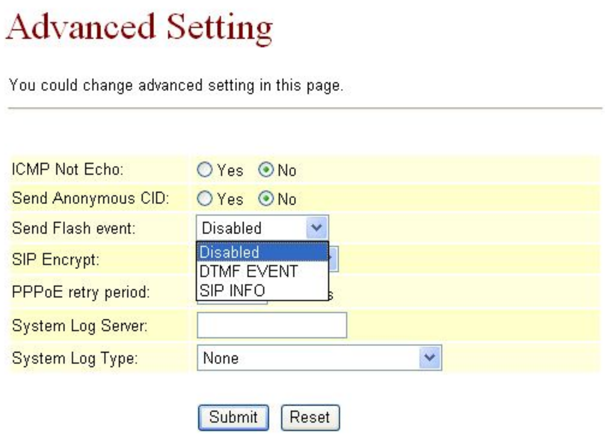
Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step4: Generally speaking，if a human is using a phone line，it doesn't matter whether the phone equipment recognizes CPC or not，since the human will physically hang-up the phone when they're done with the call，or they'll pick the call up off of hold when the phone system rings back after X seconds / minutes.

Example3: Send Flash Event

◆ Send Flash Event: DTMF Event

Step 1: On the main page, select [Others→Advanced Settings], enter [Advanced Setting] page, after revising the information, (e.g.: Send Flash event: DTMF Event), click [Submit] (See Figure 4)

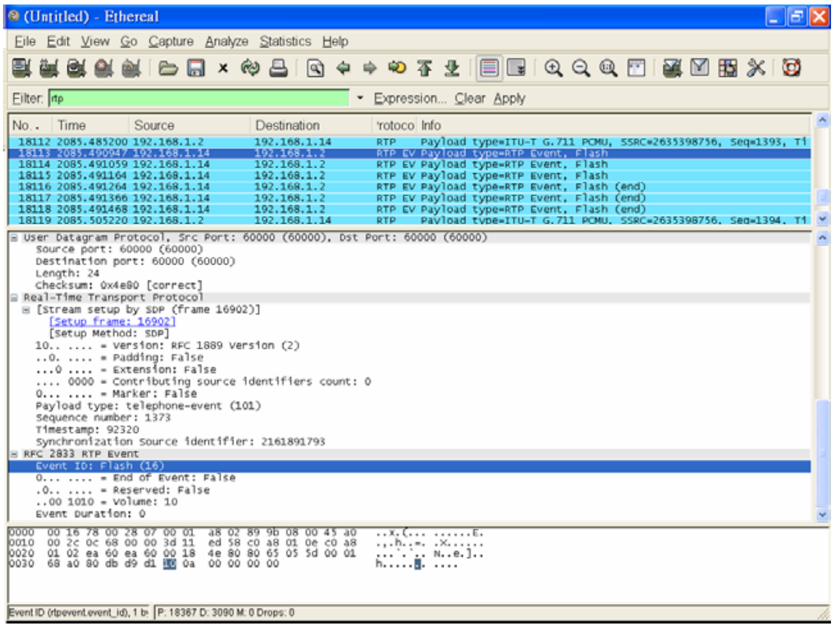


(Figure 4)

Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

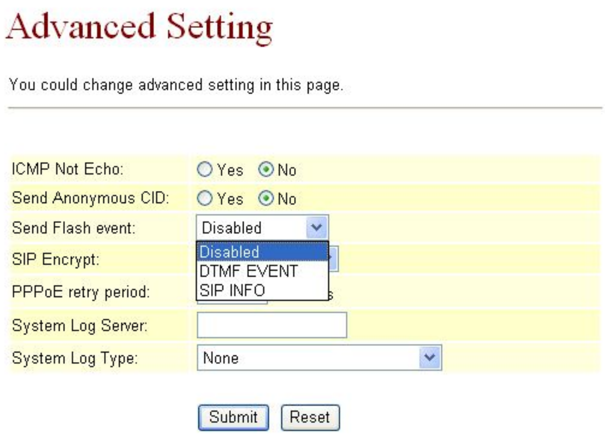
Step 4: After rebooting, and call to another equipment, please press [Flash] which will changing to SIP Info., then check [Ethereal] and column [Event ID: Flash] (See Figure 5)



(Figure 5)

◆ Send Flash Event: SIP Info

Step 1: On the main page, select [Others→Advanced Settings], enter [Advanced Setting] page, after changing Send Flash event, (e.g.: Send Flash event: SIP Info), click [Submit] (See Figure 6)

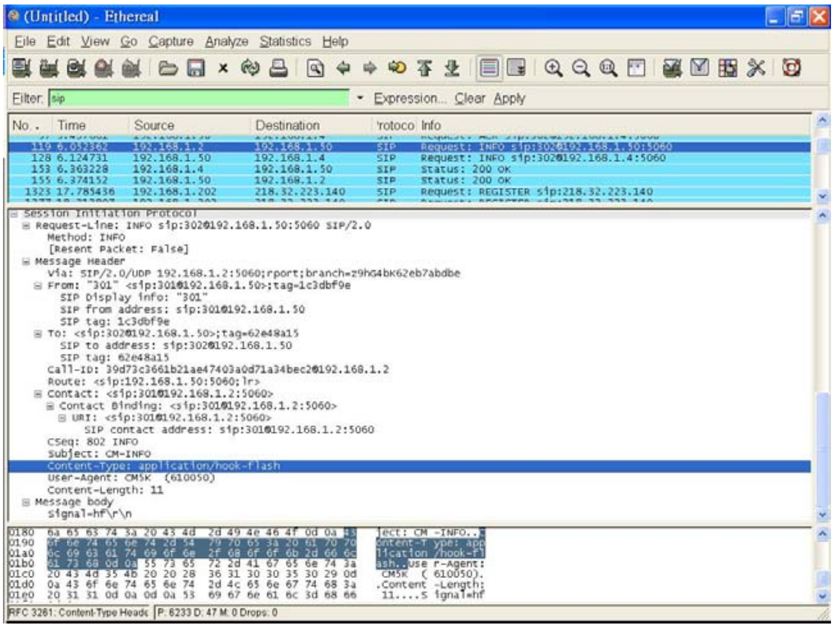


(Figure 6)

Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

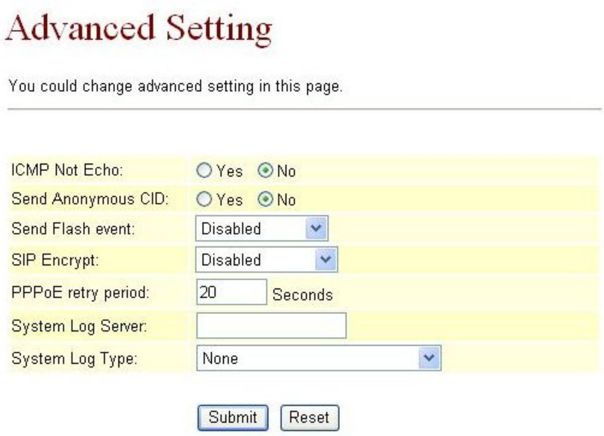
Step 4: After rebooting, and call to another equipment, please press [Flash], which will changing to SIP Info., then check [Ethereal] and column [Content-Type: application/hool-flash] (See Figure 7)



(Figure 7)

Example4: PPPoE retry period

Step 1: On the main page, select [Others→Advanced Settings], enter [Advanced Setting] page, after revising PPPoE Retry Period, (e.g.: PPPoE Retry Period: 20), click [Submit] (See Figure 8)

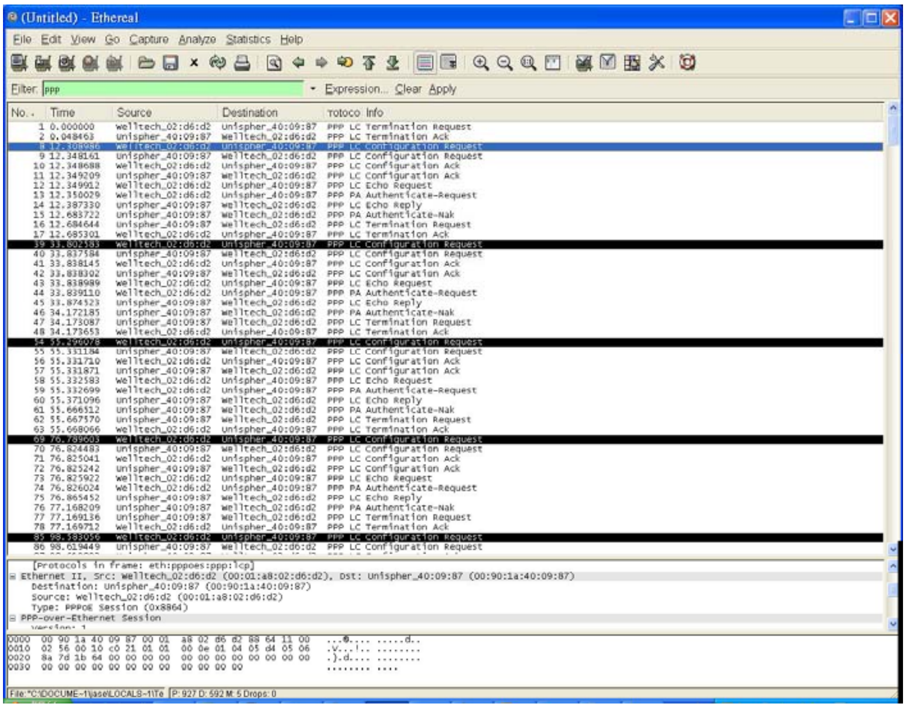


(Figure 8)

Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

Step4: Every other 20 second, the system will retry through [Ethereal] Log.

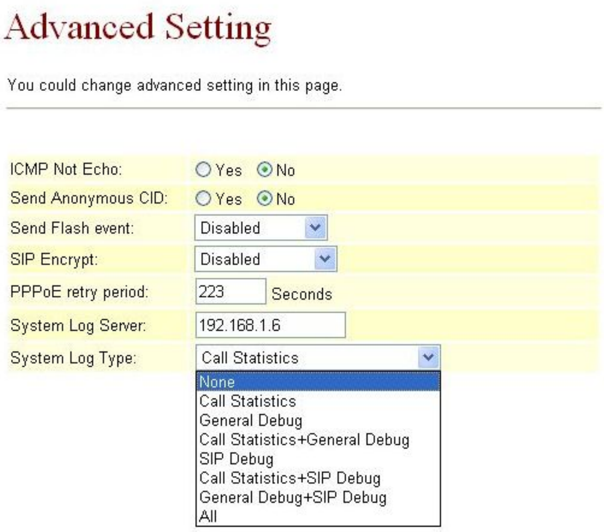


(Figure 9)

Example5: System Log (Please start TFTP or System Log Server first)

◆ System Log Type: Call Statistics

Step 1: On the main page, select [Others→Advanced Settings], enter [Advanced Setting] page, after setting System Log, (e.g.: System Log Server: 192.168.1.6，System Log Type: Call Statistics), click [Submit] (See Figure 10)

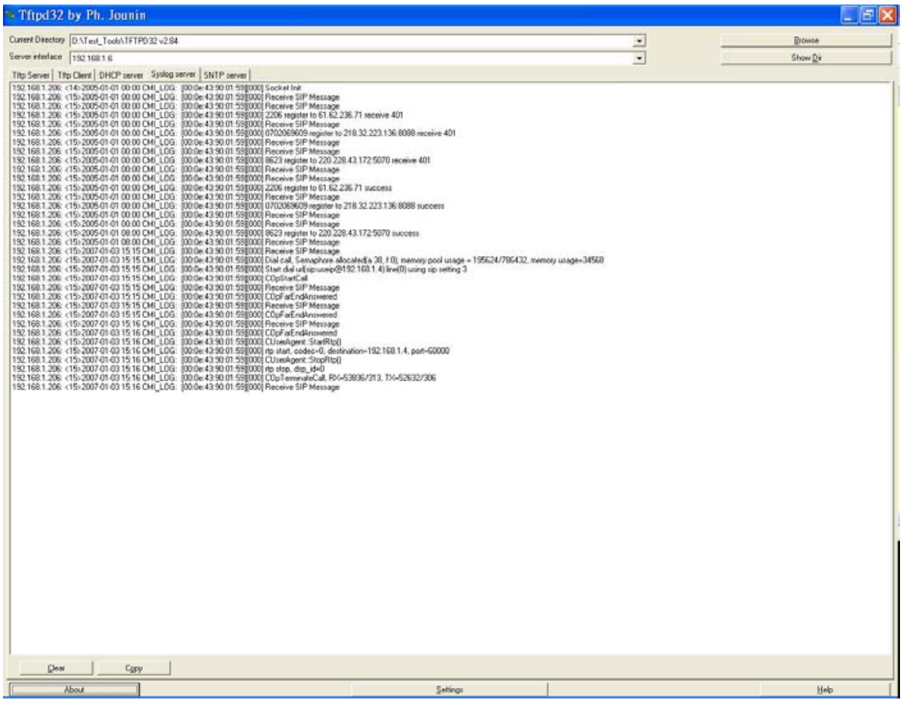


(Figure 10)

Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

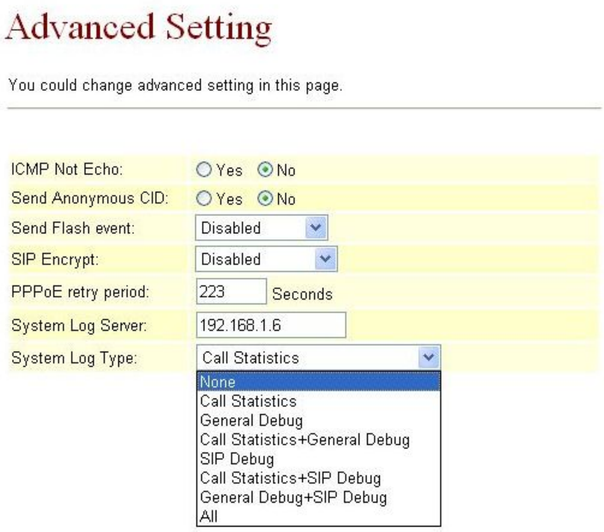
Step 4: On [TFTP Server]-- [Syslog server] page, new messages are received (See Figure 11)



(Figure 11)

◆ System Log Type: General Debug

Step 1: On the main page, select [Others→Advanced Settings], enter [Advanced Setting] page, after setting System Log, (e.g.: System Log Server: 192.168.1.6，System Log Type: General Debug), click [Submit] (See Figure 12)

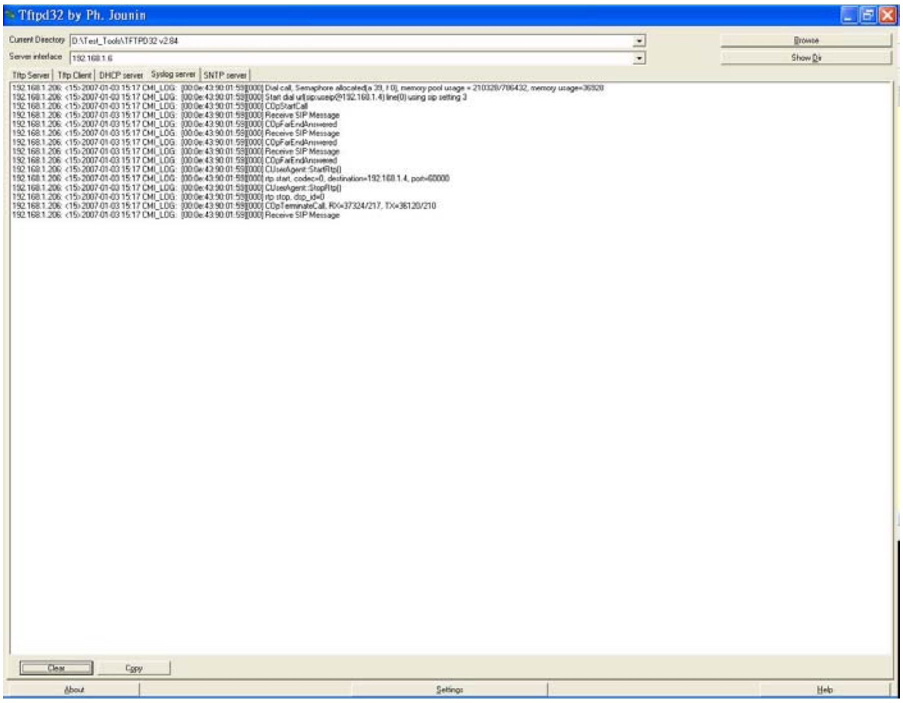


(Figure 12)

Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

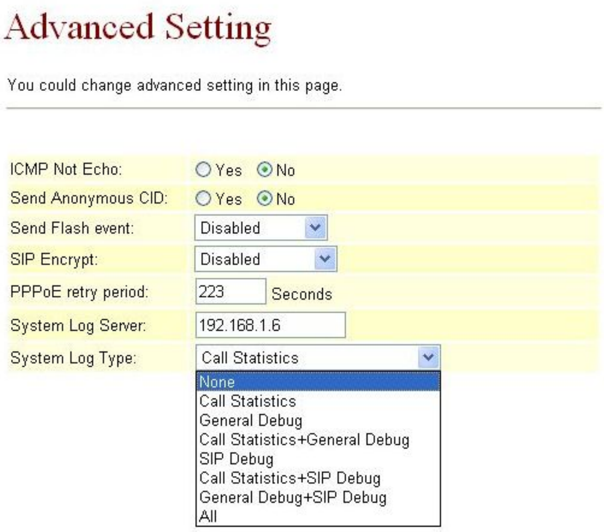
Step4: On [TFTP Server] -- [Syslog server] page, new messages are received (See Figure 13)



(Figure 13)

◆ System Log Type: Call Statistics + General Debug

Step 1: On the main page, select [Others→Advanced Settings], enter [Advanced Setting] page, after setting System Log, (e.g.: System Log Server: 192.168.1.6，System Log Type: Call Statistics + General Debug), click [Submit] (See Figure 14)

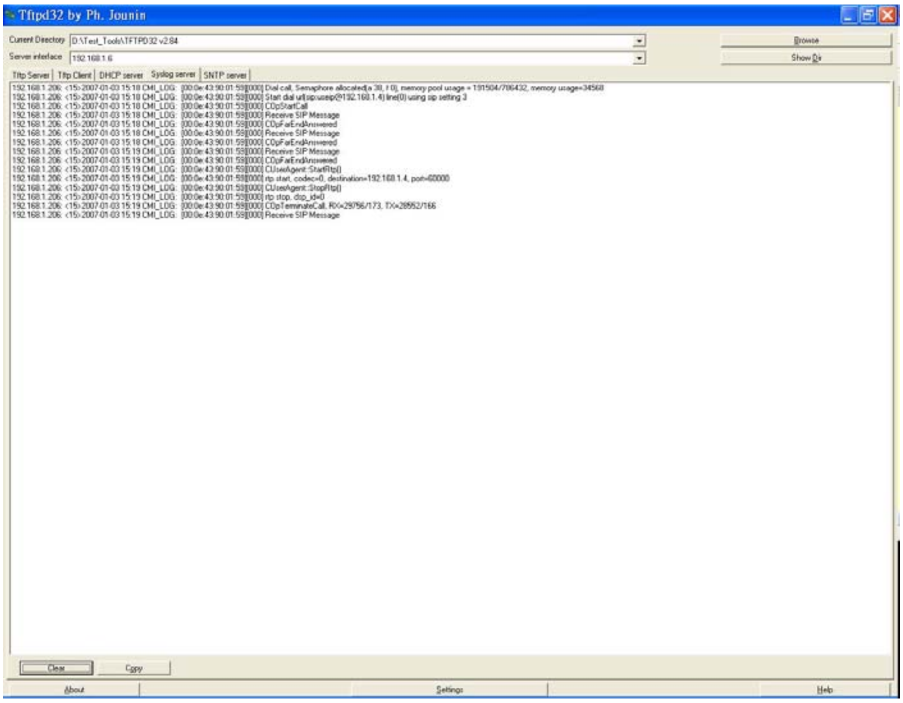


(Figure 14)

Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

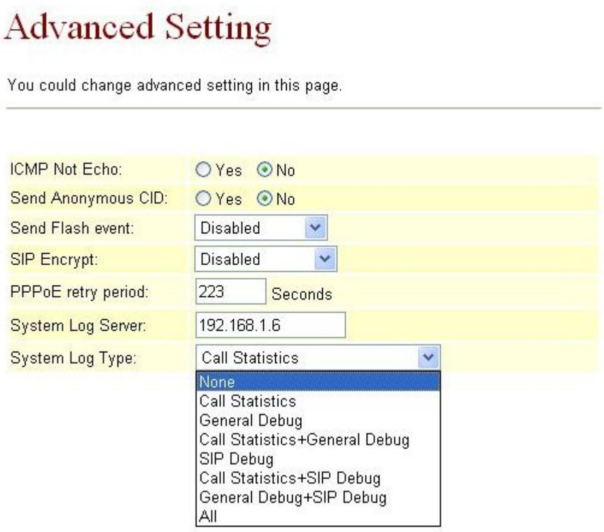
Step4: On [TFTP Server] -- [Syslog server] page, new messages are received (See Figure 15)



(Figure 15)

◆ System Log Type: SIP Debug

Step 1: On the main page, select [Others→Advanced Settings], enter [Advanced Setting] page, after setting System Log, (e.g.: System Log Server: 192.168.1.6，System Log Type: SIP Debug), click [Submit] (See Figure 16)

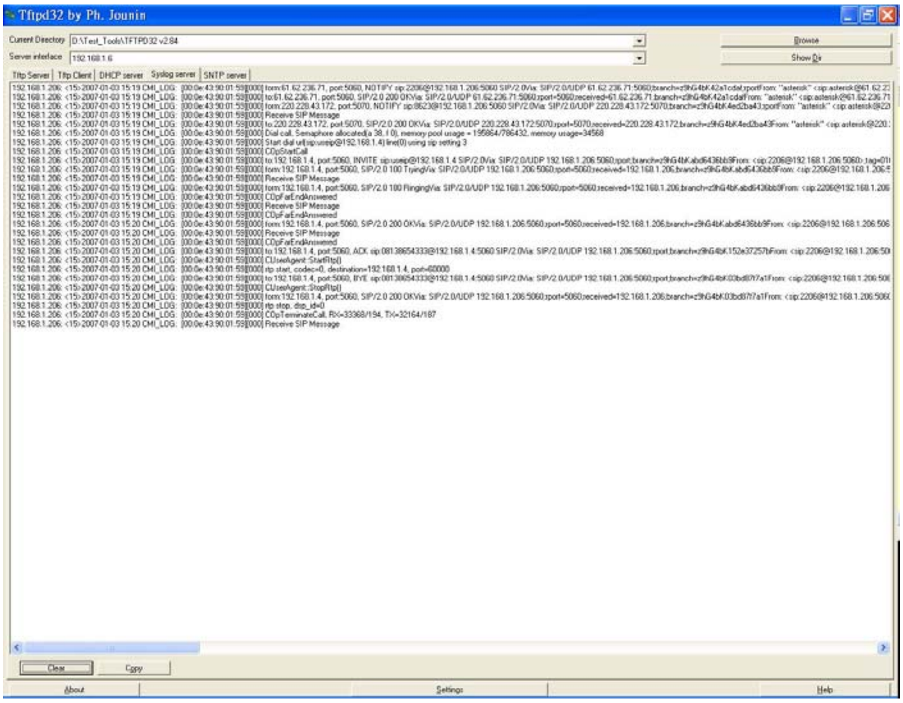


(Figure 16)

Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

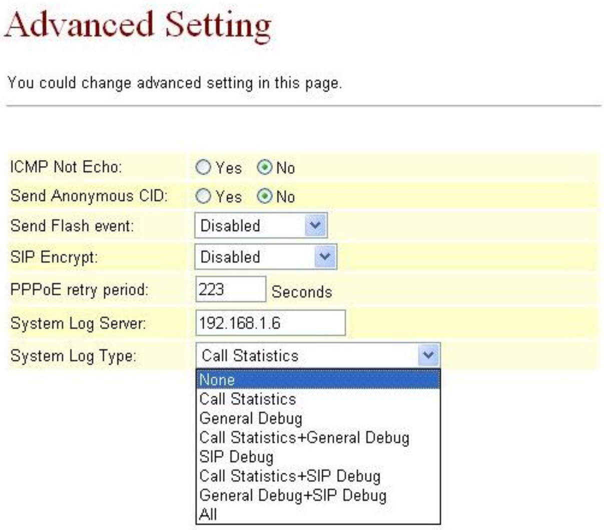
Step4: On [TFTP Server]-- [Syslog server] page, new messages are received (See Figure 17)



(Figure 17)

◆ System Log Type: Call Statistics + SIP Debug

Step 1: On the main page, select [Others→Advanced Settings], enter [Advanced Setting] page, after setting System Log, (e.g.: System Log Server: 192.168.1.6，System Log Type: Call Statistics + SIP Debug), click [Submit] (See Figure 18)

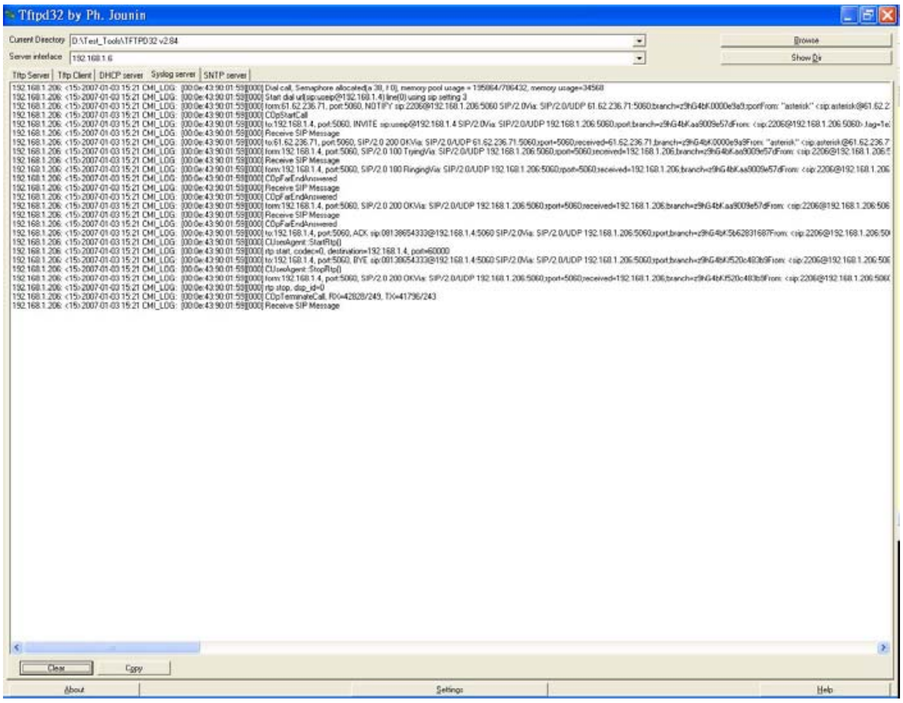


(Figure 18)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

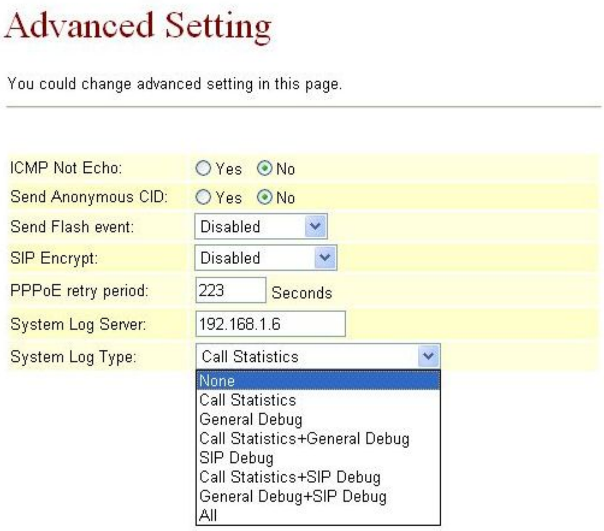
Step4: On [TFTP Server]-- [Syslog server] page, new messages are received (See Figure 19)



(Figure 19)

◆ System Log Type: General Debug + SIP Debug

Step 1: On the main page, select [Others→Advanced Settings], enter [Advanced Setting] page, after setting System Log, (e.g.: System Log Server: 192.168.1.6，System Log Type: General Debug + SIP Debug), click [Submit] (See Figure 20)

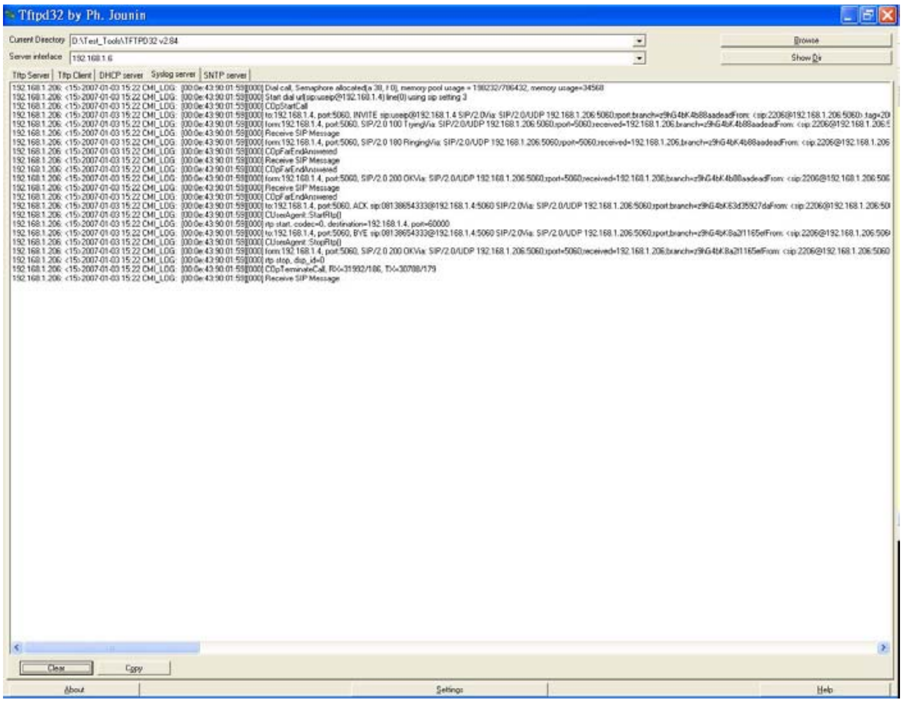


(Figure 20)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

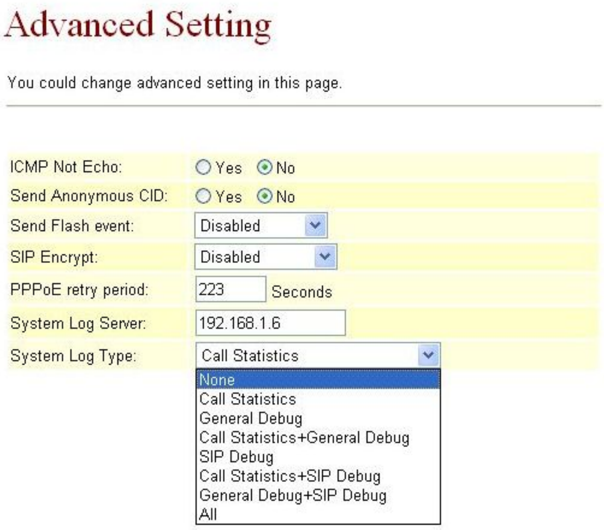
Step4: On [TFTP Server]-- [Syslog server] page, new messages are received (See Figure 21)



(Figure 21)

◆ System Log Type: All

Step 1: On the main page, select [Others→Advanced Settings], enter [Advanced Setting] page, after setting System Log, (e.g.: System Log Server: 192.168.1.6，System Log Type: All), click [Submit] (See Figure 22)

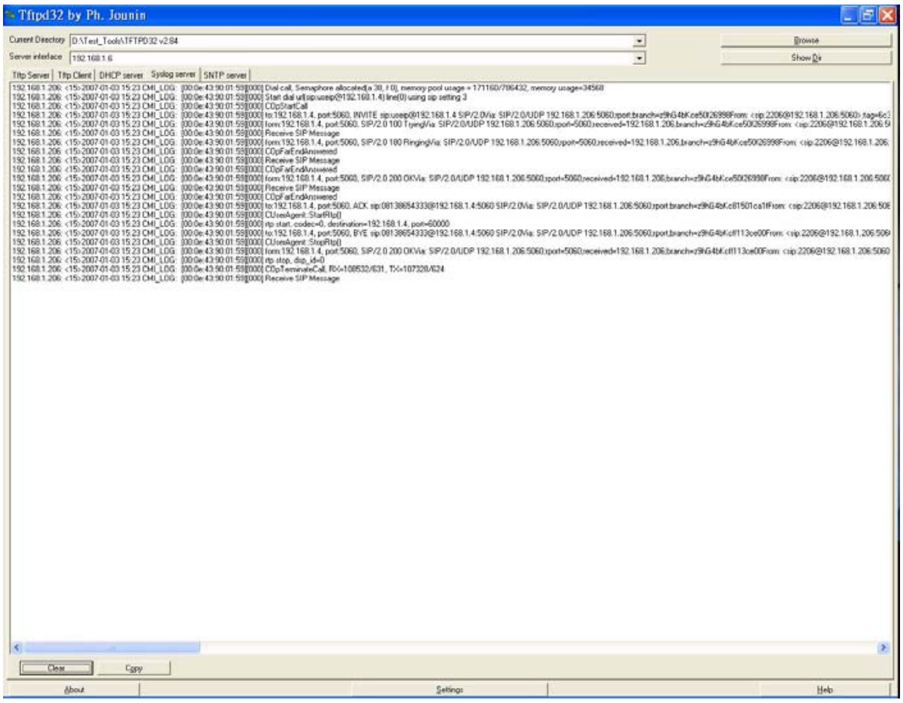


(Figure 22)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

Step4: On [TFTP Server]-- [Syslog server] page, new messages are received (See Figure 23)



(Figure 23)

Chapter 9. System Auth.

Provides System Auth.

9.1 System Auth.

9.1.1 Function

System Authority provides 3 entries login username/ password information.

9.1.2 Instruction

Figure Save Change



New username	Input new username. Can be Numerals or strings, maximum length is 63 bytes.
New password	Input new username. Can be Numerals or strings, maximum length is 63 bytes.
Confirmed password	Input new username. Can be Numerals or strings, maximum length is 63 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

9.1.3 NOTICE:

- Superuser: Only using it when cannot login in the system by other login account. Superuser's account cannot be changed. MAC Address can be changed.
- Default Account: superuser，Default Password: 1234321.
- Administrator: Can set only one account information.
- Default Account: root，Default Password: test.
- System: 5 accounts information are available. When using this account, the following page cannot be open: [Auto Configuration，Tone Setting，Auto Update]
  - Default Account: system Default Password: test.
- Normal User: 5 accounts information are available. When using this account, the following page cannot be open: [SIP Settings[including Service Domain，Port Settings，Code Settings，Codec ID Settings，DTMF Settings，RPort Settings，Other Settings]，Auto Configuration，Tone Setting，Auto Update，Default Setting] etc.
  - Default Account: user，Default Password: test.

9.1.4 Operate Instruction

Step 1: On the main page, select [System Auth.], enter [System Authority] page, after revising the information (e.g.: New User Name: totoro，New Password: 123456，Confirmed Password: 123456), click [Submit] (See Figure 1)



(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

Step 4: Please restart IE, and input new User Name & Password

Chapter 10. Save Change

Save Change

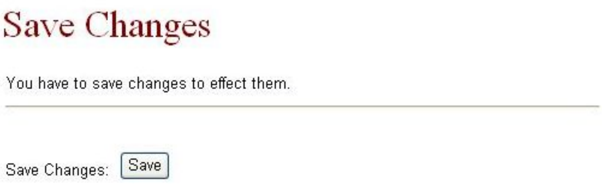
10.1 Save change

10.1.1 Function

After Save Changes, the system will be rebooted.

10.1.2 Instruction

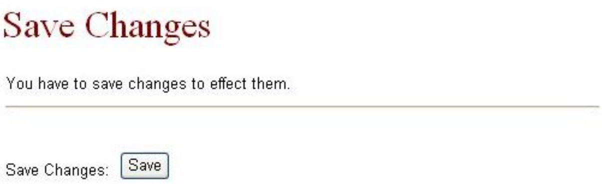
Figure Save Change



Save [Button]	Submit the change.

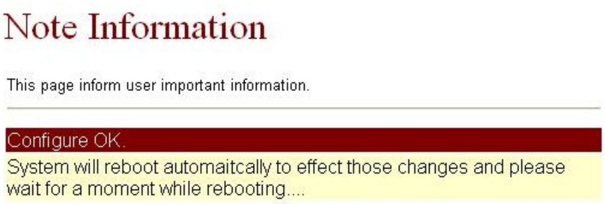
10.1.3 Operate Instruction

Step1: Select [Save Change], enter [Save Changes] page, execute the command, click [Save] (See Figure 1)



(Figure 1)

Step2: [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while



(Figure 2)

Step3: After rebooting, please press [(F5)] to continue other settings.

Chapter 11. Update

Provides New Firmware、Auto Update、Default Setting items.

11.1 New Firmware

11.1.1 Function

Update Firmware.Use Local PC or TFTP to update. Format: Risc (.gz) & DSP (.ds)

11.1.2 Instruction

Figure Update Firmware



Method	Default: Local PC
Local PC	Update by Local PC
Code Type	Default: Risc (.gz).Provides Risc (.gz) & DSP (.ds).
File Location	Please input File Location. Can be numerals or strings. Maximum length: 30 bytes.
TFTP	Update by TFTP
TFTP Server	Set TFTP Server. Please input TFTP Server Address. Can be IP Address or Domain name Address. Format: xxx.xxx.xxx.xxx; Maximum length: 15 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

11.1.3 Operate Instruction

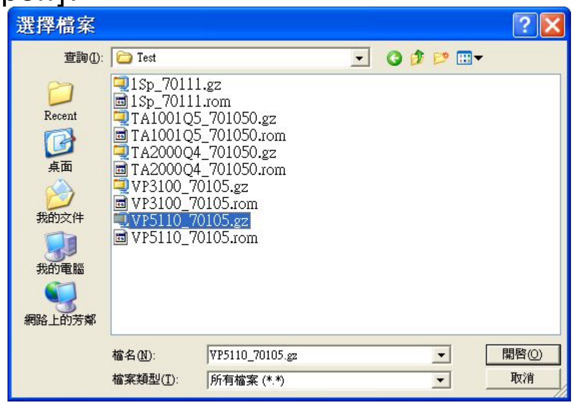
Example1: Update by Local PC

Step 1: On the main page, select [Update→New Firmware], enter [Update Firmware] page, after revising the information (e.g.: Method: Local PC，Code Type: Risc), setting File Location information, please click [Browse] (See Figure 1)



(Figure 1)

Step2: Enter the following page, select update [gz] file, (e.g. VP511_70105.gz), click [Open].



(Figure 2)

Step3: Back to page [Update Firmware], made sure the update file is on [File Location], please click [Update] (See Figure 3)



(Figure 3)

Step4: Note page will be seen, please click [Submit] (See Figure 4)

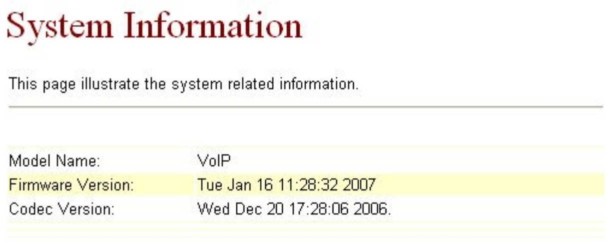


(Figure 4)

Step5: [Note Information] page will be seen. After updating, please reboot the

system.

Step6: After rebooting, and back to the main page, please press [(F5)] to view the result in page [System Information] (See Figure 5)



(Figure 5)

Example2: Update by TFTP (Please build Update List first)

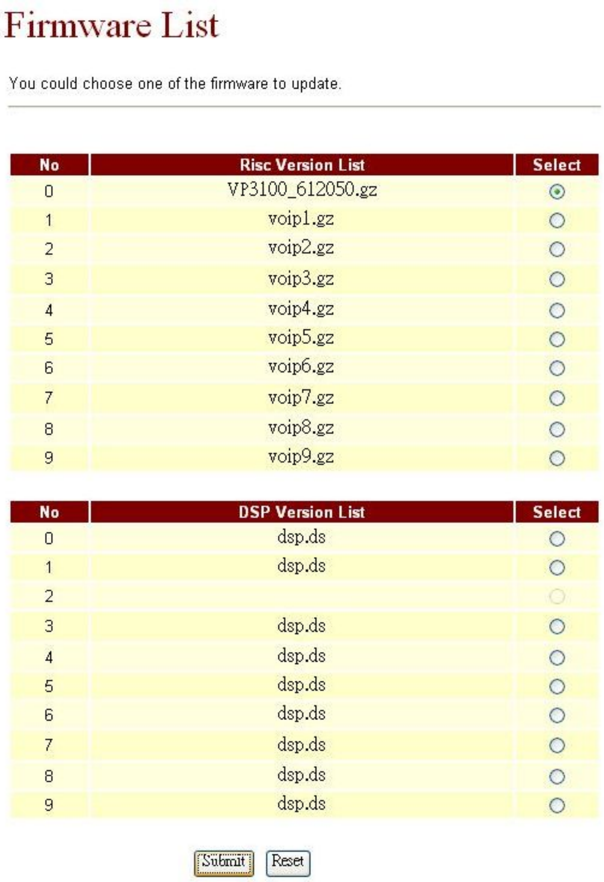
Step1: When updating by TFTP, make sure that the Update List is ready, which under TFTP Server.

Step 2: On the main page, select [Update→New Firmware], enter [Update Firmware] page, after revising the information (e.g.: Method: TFTP, TFTP Server: 192.168.1.6), setting File Location information, please click [Update] (See Figure 6)



(Figure 6)

Step3: Enter page [Firmware List], please select the Risc Version, (e.g.: Risc Version List: VP3100_612050.gz), click [Submit] (See Figure 7)



(Figure 7)

Step5: [Note Information] page will be seen. After updating, please reboot the system.

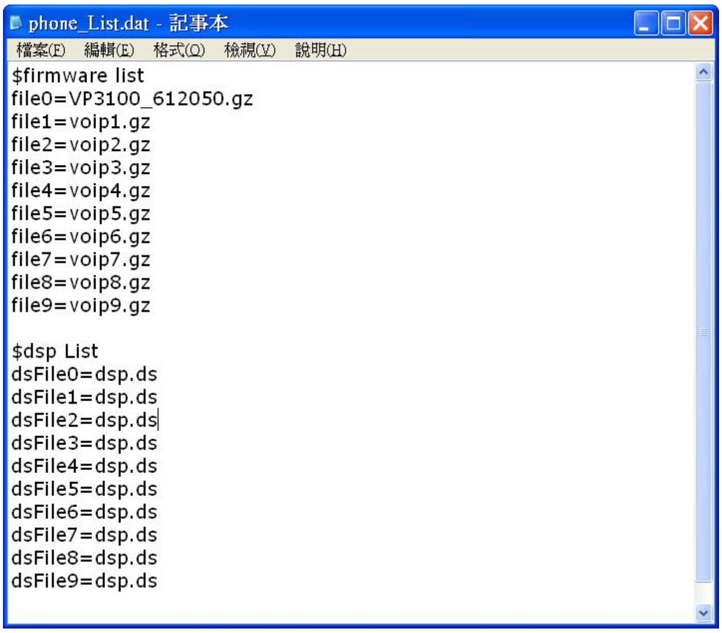
Step6: After rebooting, and back to the main page, please press [(F5)] to view the result in page [System Information].

11.1.4 Build List File

Step1: Build a list file, Format: Firmware File Prefix +_ List. dat，e.g.：Phone _ List. dat.

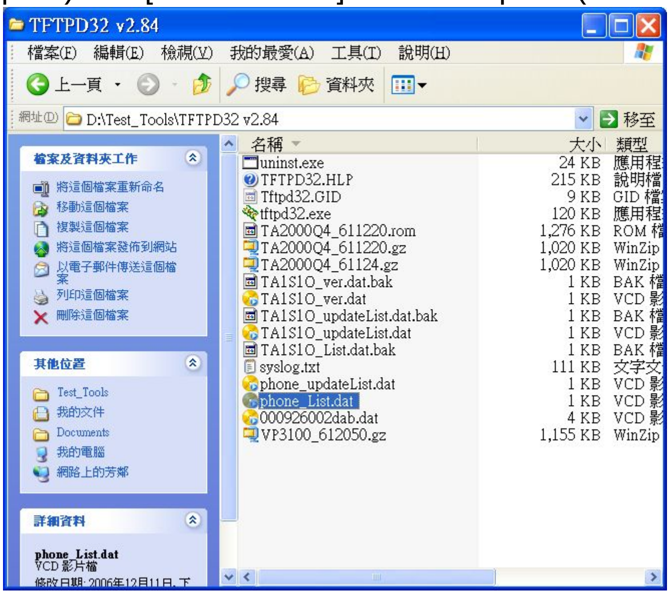
Step2: Please input the update version in “file0=“, e.g.: file0=VP3100_612050.gz； if DSP version is involved, please input the update version in”dspfile0=“, e.g.: file0=dsp.ds(See Figure 1).

- $firmware List：Display firmware List, provide 10 entries.
- $dsp List：Display dsp List, provide 10 entries.



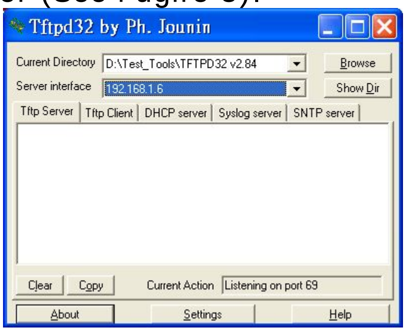
(Figure 1)

Step3: Put Phone_List.dat and all update file (e.g.: VP3100_612050.gz & dsp.ds)，in [TFTP Server] indicates path (See Fugire 2).



(Figure 2)

Step4: Start TFTP Server (See Fugire 3).



(Figure 3)

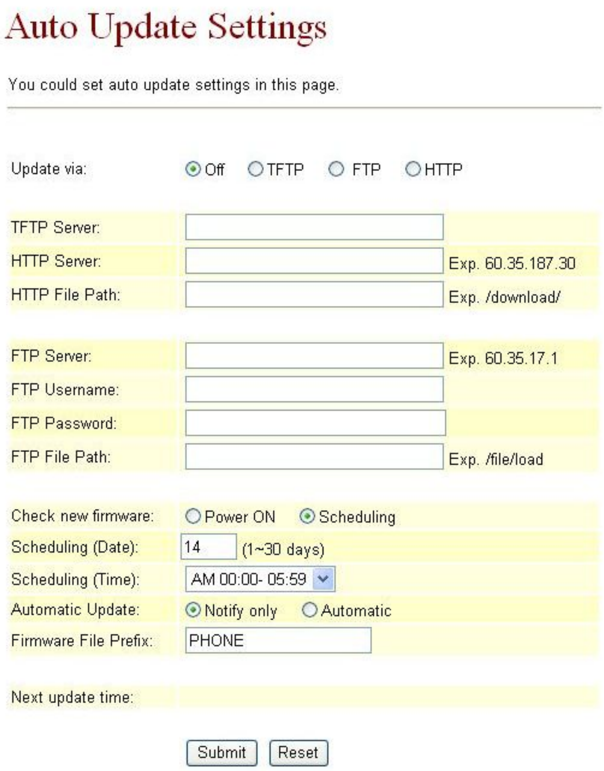
11.2 Auto Update

11.2.1 Function

Auto Update Settings provide **.gz(RISC)** or **.ds(DSP)** **format, .rom** is not available.

11.2.2 Instruction

Figure Auto Update Setting



Update via	Default: Off. Off，TFTP，FTP or HTTP modes are available.
TFTP Server	Setting TFTP Server, input TFTP Server Address, can be IP Address or Domain Name, format: xxx.xxx.xxx.xxx; maximum length: 63 bytes.
HTTP Server	Setting TFTP Server, input TFTP Server Address, can be IP Address or Domain Name, format: xxx.xxx.xxx.xxx; maximum length: 63 bytes.
HTTP Path	Setting HTTP Path, input the path of the file, can be numerals or strings, maximum length: 63 bytes. E.g.: /123/.
FTP Server	Setting FTP Server, input FTP Server Address, can be IP Address or Domain Name, format: xxx.xxx.xxx.xxx; maximum length: 63 bytes.
FTP Username	Setting FTP Username information. Input FTP username, can be numerals or strings, maximum length: 63 bytes.
FTP Password	Setting FTP Password information. Input FTP Password, can be numerals or strings, maximum length: 63 bytes.
File Path	Setting File Path, input the path of the file, can be numerals or strings, maximum length: 63 bytes. E.g.: /123/.
Check new Firmware	Default: Scheduling；provide Power ON，Scheduling mode. - Power On: Power on + Scheduling，means as long as start the system, it will check if there is update version or not,

	according to the schedule. If yes, it wouldn't update now, but update by your permit.
Scheduling (Date)	According to the date to check if there is update version or not. Default: 14 days. Minimum: 1 day. Maximum: 30 days. Only numerals are accepted, length: 2 bytes.
Scheduling (Time)	Default: AM 00:00 – 05:59； AM 00:00 – 05:59，AM 06:00 – 11:59，AM 12:00 – 17:59，AM 18:00 – 23:59 is available.
Automatic Update	Default: Notify only. Notify only，Automatic are available. - Notify only: the message will be found on LCD, and when up the phone, "Do Do Do" will be heard. - Automatic: Update automatically.
Firmware File Prefix	Default: Product model. Can be numerals or strings, maximum: 8 bytes.
Next update time	Next update time begins with the next day, not today. **Formula: the next day + days + time zone + MAC Address + Random = Next update time.**
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

Remark:

Check new Firmware: Power on

Notice: as long as start the system, it will check if there is update version or not, according to the schedule. If yes, new message will be found on LCD, and Bee tone will be heard when pick up the phone. It wouldn't update now, but update by your permit.

- **(Phone)**

[Found new s/w] will be found on LCD，please select **[Menu]**-- **[7. Administrator→ 2. Upgrade System→1. Upgrade Now→ 1. Yes]**, then update.

- **(FXS/FXO)**

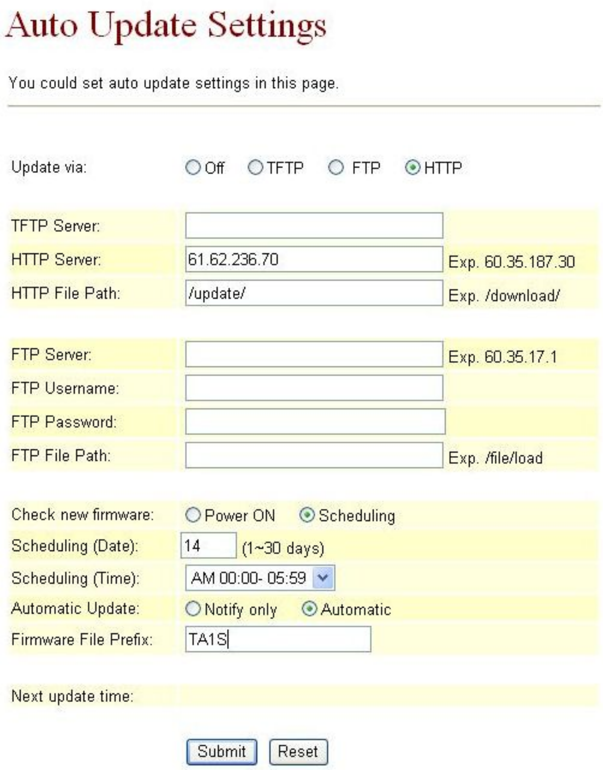
When pick up the phone, DoDoDo will be heard. Please input **"#190#"** then hang up the phone, pick up the phone again, and input **"#190#"** to execute update.

NOTICE: It takes 2~3 min to update, during the time period, dialing function cannot work, please don't move the power supply.

11.2.3 Operate Instruction

Example1: Auto Update. (Please build Auto Update file.)

Step 1: On the main page, select [Update→ Auto Update], enter [Auto Update Settings] page, after setting HTTP Server information and revising the information (e.g.: Update via: HTTP, HTTP Server: 61.62.236.70, HTTP File Path: /update/, Check new firmware: Scheduling, Scheduling (Date): 14, Scheduling (Time): AM 00:00-05:59, Automatic Update: Automatic, Firmware File Prefix: TA1S), click [Submit], and saving change (See Figure 1).

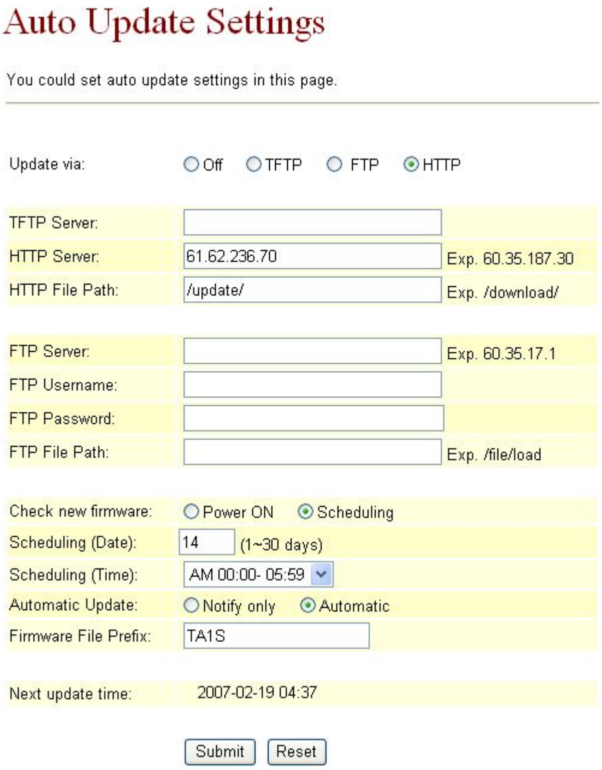


(Figure 1)

Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

Step4: After rebooting, and back to the main page, please press [F5] to refresh, select [Update→Auto Update], enter [Auto Update Settings], **to get next update time. E.g.: [Next Update time: 2007-03-07 04:45].** (See Fugire 2)

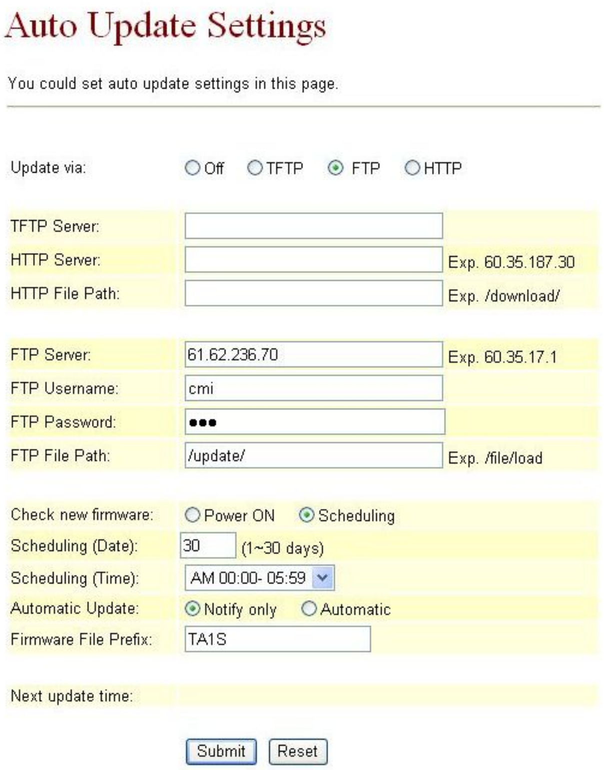


(Figure 2)

Step5: When [Next Update Time] comes, it will connect to HTTP Server to check if there is update or not, if yes, update will be made automatically.

Example2: Update with permit (Please build Auto Update file first)

Step 1: On the main page, select [Update→ Auto Update], enter [Auto Update Settings] page, after setting FTP Server information and revising the information (e.g.: Update via: FTP，FTP Server: 61.62.236.70，FTP Username: cmi，FTP Password: cmi，FTP File Path: /update/，Check new firmware: Power，Scheduling (Date): 30，Scheduling (Time): AM 00:00-05:59，Automatic Update: Notify only，Firmware File Prefix:TA1S] (如 Picture3), click [Submit], and saving change (See Figure 3).

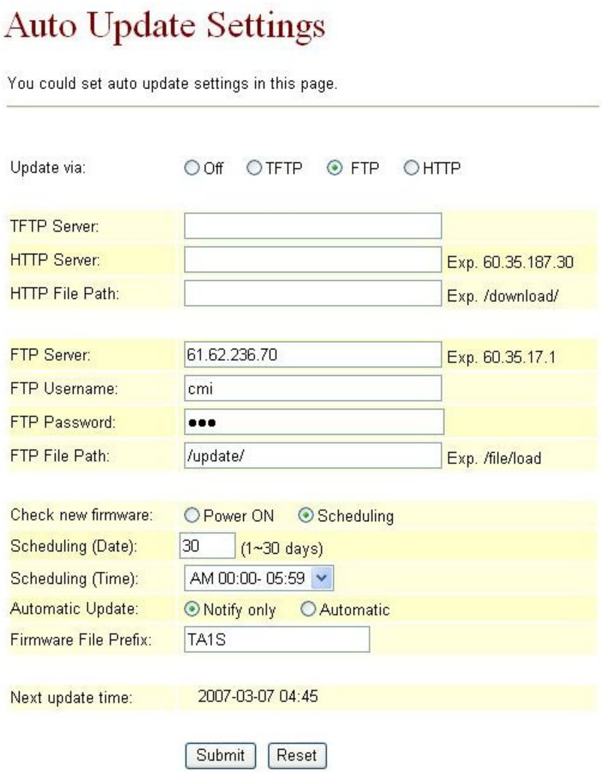


(Figure 3)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

Step4: After rebooting, and back to the main page, please press [F5] to refresh, select [Update→Auto Update], enter [Auto Update Settings], **to get next update time. E.g.: [Next Update time: 2007-03-07 04:45].** (See Fugire 4)



(Figure 4)

Step6: When [Next Update Time] comes, it will connect to FTP Server to check if there is update or not, if yes, a message will be sent.

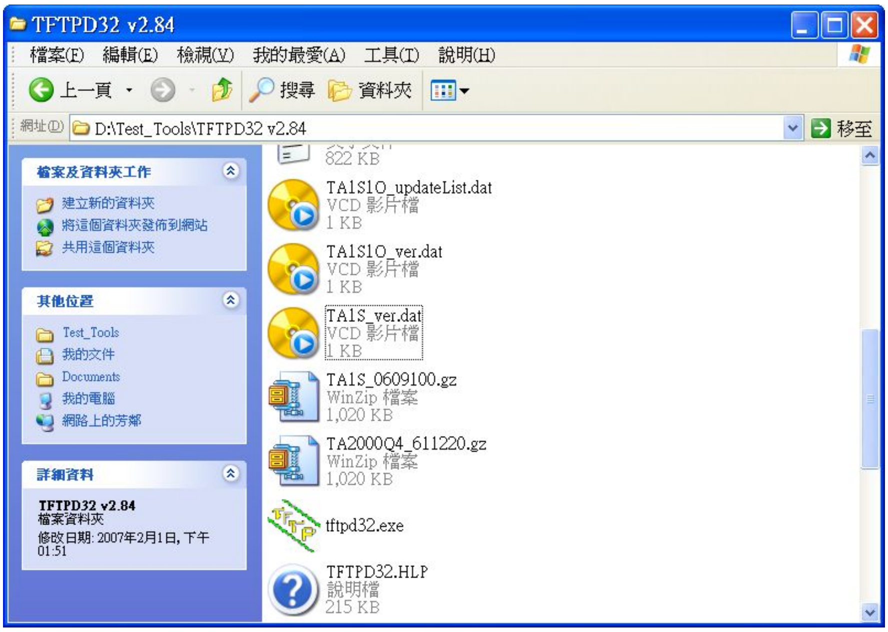
- **(Phone)**
  [Found new s/w] will be found on LCD，please select **[Menu]**-- **[7. Administrator→ 2. Upgrade System→1. Upgrade Now→ 1. Yes]**, then update.

- **(FXS/FXO)**
  When pick up the phone, DoDoDo will be heard. Please input **"#190#"** then hang up the phone, pick up the phone again, and input **"#190#"** to execute update.

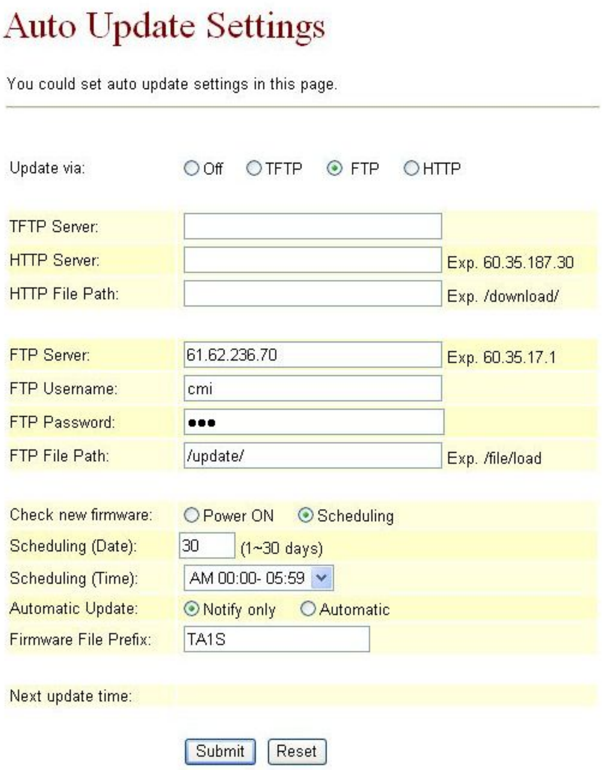
NOTICE: It takes 2~3 min to update, during the time period, dialing function cannot work, please don't move the power supply.

11.2.4 Auto Update File

Step1: Build an auto update file, format: Firmware File Prefix + _ver.dat (e.g.: TA1S_ver.dat) (See Figure 1). For Firmware File Prefix name, please refer [Auto Update Setting]-- Firmware File Prefix (e.g.: TA1S_ver.dat) (See Fugire 2).



(Figure 1)



(Figure 2)

Step2: TA1S_ver.dat file must have [Version & NAME]. Format: [Version:0609100 NAME:TA1S_], instruction：Version: show the update version, NAME: show the name, (**NAME must be capitalized.**) (See Figure 3). **The new version name is: NAME+Version e.g.: TA1S_0609100.gz，please make sure the name is correct. Format: Version: 0609100 NAMETA1S_.**



(Figure 3)

Step 3: The system will check with the server, if the file existing or not. (E.g.: Firmware File Prefix+_ver.dat). If existing, it will check the [Version] column, if the version is newer than the current version, update will execute.

Step 4: Put TA1S_ver.dat and new update version information (e.g.: TA1S_0609100.gz) to [TFTP or FTP or HTTP Server] indicate address.

11.2.5 NOTICE

- **(Phone)**

  [Found new s/w] will be found on LCD，please select **[Menu]**-- **[7. Administrator→ 2. Upgrade System→1. Upgrade Now→ 1. Yes]**, then update.

- **(FXS/FXO)**

  When pick up the phone, DoDoDo will be heard. Please input **”#190#”** then hang up the phone, pick up the phone again, and input **“#190#”** to execute update.

NOTICE: It takes 2~3 min to update, during the time period, dialing function cannot work, please don’t move the power supply.

11.3 Default Setting

11.3.1 Function

Restore Default Settings restore all changing information (excluding Phone & Speed Dial). After restore default settings, the system will be rebooted.

11.3.2 Instruction

Figure Restore Default Setting



Restore [Button]	Restore the factory settings.

11.3.3 Operate Instruction

Step 1: On the main page, select [Update→Default Settings], enter [Restore Default Settings] page, and then click [Restore], the system will be rebooted (See Figure 1)



(Figure 1)

Step2: Enter [Note Information] page, please wait for a moment while rebooting (See Figure 2)



(Figure 2)

Step3: After rebooting, and back to the main page, press [(F5)] to refresh.

Chapter 12. Reboot

Reboot System

12.1 Reboot

12.1.1 Function

Reboot System; press the reboot button to restart the system.

12.1.2 Instruction

Figure Reboot System



Reboot [Button]	Execute.

12.1.3 Operate Instruction

Step 1: On the main page, select [Reboot], enter [Reboot System] page, and then click [Reboot] (See Figure 1)



(Figure 1)

Step2: Enter [Note Information] page, please wait for a moment while rebooting, please don't move power supply.



(Figure 2)

Step3: After rebooting, and back to the main page, press [(F5)] to refresh.

Part IV:

Operate Instruction

Operate Instruction of the Phone

Chapter 13. Phone Transfer Rule

13.1 IP mode Transfer Rule

13.1.1 Blind Transfer

B calls A, while A and B are talking, if A would like to transfer the call to C, A should press [Hold] to hold B's call, and then press [Transfer/Flash], input C's number, and end with "#", then the call transferred to C.

13.1.2 Attendant Transfer

B calls A, while A and B are talking, if A would like to transfer the call to C, A should press [Transfer/Flash], and input C's number, end with "#", then C's phone rings. If A hung up the phone, then B can talk with C.

Chapter 14. Gateway/TA Transfer Rule

14.1 IP mode Transfer Rule

14.1.1 Blind Transfer

Procedure

Step 1:

B calls A, while A and B are talking, if A would like to transfer the call to C, A should press [Hold] to hold B's call, then press #510# and C's number, end with "#" to transfer the call to C.

14.1.2 Attendant Transfer

B calls A, while A and B are talking, if A would like to transfer the call to C, A should press [Hold] to hold B's call, then press #511# and input C's number, end with "#", then C's phone rings. If A hung up the phone, then B can talk with C.

14.1.3 (3-way calling)

B calls A, while A and B are talking, if A would like to add C to talk, A should hold B's call, then press #512# and C's number, end with "#", then C's phone rings. If A can talk with C, and A press "flash", A, B and C can talk together.

14.1.4 Call Waiting

While A & B are talking, C calls A, A can hear the inset tone; A could press [Hold] to hold B, and talking with C.